

MEMBERS

AND

CORRESPONDENTS

OF THE

ACADEMY OF NATURAL SCIENCES

OF

PHILADELPHIA.

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1877.

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COLLINS, PRINTER.

MEMBERS
OF THE
ACADEMY OF NATURAL SCIENCES
OF
PHILADELPHIA,

From the foundation of the Society, March 21, 1812, until June 30, 1877.

Names of members known to be deceased are in *italics*. Names of life members are preceded by an asterisk (*)—those who are exempt from the payment of all annual dues are styled “life members.”—Names of members who are not residents of the city are followed by the letters (N.R.). Names of those who were originally elected correspondents, and became members by removal to the city, are followed by (corres.). The names of those who have resigned, or who have forfeited their membership, are not included. Correspondents are regarded as members when they become permanent residents in the city.

- | | |
|---|--|
| *Abbott, William S., Feb. 1876. | Ashmead, Samuel B., Jan. 1843. |
| <i>Abert, Col. J. J.</i> (N.R.), Oct. 1828. | Ashmead, Walter K. (N.R.), Nov. 1876. |
| *Adamson, William, Oct. 1874. | Atlee, Walter F., M.D., May, 1857. |
| *Adamson, Wm. B., Oct. 1874. | Audenried, J. T., June, 1876. |
| Agnew, Wm. G. E. (N.R.), May, 1853. | *Audenried, Lewis, Feb. 1859. |
| *Akhurst, John, March, 1876. | Audenried, Wm. G., Jan. 1877. |
| <i>Alden, Charles Henry</i> , June, 1837. | *Austin, John B., Jan. 1867. |
| Alexander, J. S., April, 1875. | |
| *Allen, Harrison, M.D., July, 1862. | Bache, Alex. Dallas (N.R.), Jan. 1829. |
| <i>Allen, J. M.</i> , M.D., April, 1852. | *Baeder, Charles, Oct. 1874. |
| Allen, Nathan, M.D., May, 1841. | *Baeder, Charles B., Oct. 1874. |
| Allen, Wm. H., Aug. 1851. | *Baird, John, May, 1867. |
| <i>Allinson, N. S.</i> , M.D., Dec. 1812. | *Baird, Matthew, April, 1867. |
| Andrews, T. H., M.D., May, 1868. | *Baird, S. F. (N.R.) (corres.), Aug. 1842. |
| *Antelo, A. J., Dec. 1867. | *Baird, Wm. S., Jan. 1867. |
| <i>Anthony, Thomas</i> , Jan. 1813. | Baker, W. H., M.D., March, 1876. |
| Ashburner, Charles A., March, 1877. | *Bancker, Charles N., April, 1824. |
| *Ashhurst, Francis, M.D., March, 1867. | Bannan, D. R., M.D., U.S.N., March, '69. |
| Ashhurst, John, M.D., Oct. 1860. | Barber, Edwin A., Oct. 1876. |
| *Ashhurst, Lewis R., May, 1853. | *Barcroft, Stacy B., July, 1855. |
| *Ashhurst, Samuel, M.D., March, 1867. | Barker, Geo. F., Nov. 1874. |
| *Ashhurst, Wm. H., Feb. 1861. | Barker, George T., D.D.S., Oct. 1873. |
| *Ashmead, Samuel, Sept. 1839. | Barker, Wharton, June, 1868. |

- Barnard, Vincent (N.R.), Sept. 1865. *Bolles, L. S.*, M.D., June, 1868.
 *Barnes, John, M.D. (N.R.), April, 1812. *Bonaparte, Charles L.* (N.R.), Feb. 1824.
 *Barton, Edward, M.D., Aug. 1815. *Bond, Henry*, M.D., Jan. 1830.
 *Barton, Isaac, March, 1855. *Booth, James C.*, Sept. 1852.
 *Barton, Mrs. S. R., Dec. 1873. *Borden, Edw. P.*, June, 1876.
Barton, T. Pennant, (N.R.), April, 1849. *iBorie, Adolph E., April, 1867.
 Baxter, Harry F., M.D., Feb. 1873. *iBorie, Beauveau, April, 1867.
 *Bayard, C. P., May, 1867. *iBorie, Charles H., Feb. 1867.
 *Beach, O. Nichols, May, 1867. *Bowen, George T.*, Nov. 1822.
 Beadle, Rev. E. R., D.D., Jan. 1866. *iBower, Henry, April, 1869.
 *Beck, Charles F., M.D., June, 1827. *Bowie, Thomas L.*, Dec. 1835.
 Beck, Paul, Nov. 1874. *Bowron, Wm. M.*, March, 1874.
 Belknap, Henry (N.R.), May, 1849. *Boyd, John C.*, M.D., U.S.N., Nov. 1875.
 Bell, John G. (N.R.), May, 1860. *iBradlin, Oliver, April, 1876.
 Bellows, Horace M., M.D., Feb. 1867. *iBradner, N. Roe, M.D., June, 1869.
 *Bement, Clarence S., May, 1867. *Bransford, J. F.*, M.D., U.S.N., Oct. 1872.
 *Bement, Wm. B., Jan. 1873. *iBrasier, Amable J., March, 1856.
 Bennett, Daniel R. (N.R.), Feb. 1858. *Bready, John E.*, Sept. 1865.
 *Benson, Gustavus S., April, 1867. *iBrewer, John M. (corres.), Oct. 1820.
 *Benson, Louis F., Nov. 1876. *Brewster, William B.*, M.D., April, 1876.
 Bertholet, P. P., M.D. (N.R.), Mar. 1857. *iBridges, Robert, M.D., Jan. 1835.
 *Betts, Richard K., Dec. 1867. *Brinton, John H.*, M.D., June, 1851.
 *Biddle, Alexander, Aug. 1848. *Britton, J. Blodget*, Oct. 1870.
 *Biddle, Clement, May, 1850. *iBrock, John P., Sept. 1872.
 *Biddle, George, March, 1876. *Brower, Robt. F.*, M.D. (N.R.), Nov. 1855.
 *Biddle, Henry J., Aug. 1852. *Brown, A. D.* (N.R.), Nov. 1861.
 *Biddle, Nicholas, Jan. 1818. *Brown, Arthur Erwin*, June, 1876.
 *Biddle, Thomas, May, 1853. *iBrown, David S., May, 1853.
 *Biddle, Thos. A., March, 1859. *iBrown, John A., May, 1853.
 *Biddle, Thos., Jr., M.D., Jan. 1877. *iBrown, Joseph D., May, 1853.
 *Biddle, William F., Sept. 1873. *iBrown, Joseph Johnson, March, 1858.
 Billings, J. S., M.D., U. S. A., Nov. 1862. *iBrown, Moses, Feb. 1817.
 Binney, W. G., Sept. 1856. *Browne, Peter A.*, May, 1841.
 Birch, Wm. Y., Dec. 1823. *iBrowning, Edward, June, 1865.
 Birkinbine, John, March, 1869. *Bryant, Henry*, M.D. (N.R.), May, 1865.
 Bissel, W. S., Oct. 1874. *Buckingham, T. L.*, May, 1868.
 *Blake, Charles A., Feb. 1876. *Buckley, Ed. S.*, May, 1852.
 *Blanchard, Wm. A., April, 1867. *Bucknell, Rufus*, Jan. 1868.
 Bland, Jas. H. B. (N.R.), Jan. 1866. *Bucknell, Wm.*, March, 1861.
 *Blight, Atherton, July, 1858. *iBudd, Chas. H., M.D. (N.R.), Mar. 1852.
 Boardman, Rev. Geo. D. April, 1866. *iBudd, John B., June, 1859.
 Bodine, F. L., Feb. 1867. *iBullock, Benj., April, 1868.
 Bodley, Rachel L., Feb. 1871. *Bullock, Charles*, May, 1868.
 *Bohlen, John, Feb. 1859. *iBurk, Isaac, Dec. 1865.
 *Bohlen, Miss, March, 1867. *Burrough, Marmaduke*, M.D., Nov. 1830.
 Boker, Chas. S., M.D., June, 1866. *Butcher, H. B.*, M.D. (N.R.), June, 1866.
 Boller, Henry J., April, 1852. *Butler, Pierce*, Aug. 1858.

- Cadwalader, Wm., March, 1855.
Culdeleigh, Robert A., Nov. 1851.
Caldwell, H. C., M.D., U.S.N., Nov. 1857.
**Caldwell, James E.*, Feb. 1868.
**Camac, Wm.*, M.D., April, 1852.
Camac, Wm. M., March, 1839.
**Campbell, A.*, April, 1867.
**Canby, Wm. M. (N.R.)*, Dec. 1860.
Carbonell, Felix B. (N.R.), Dec. 1860.
**Carmalt, Caleb (N.R.)*, Aug. 1817.
**Carpenter, Geo. W.*, July, 1825.
**Carpenter, Geo. W., Jr.*, Oct. 1860.
Carpenter, L. Henry, Major, June, 1866.
**Carpenter, Samuel P.*, Feb. 1867.
Carson, Joseph, M.D., Oct. 1833.
Carter, John E., June, 1868.
Cassin, C. L., M.D., U.S.N., July, 1869.
**Cassin, John*, Sept. 1842.
Castle, Wm. H., March, 1875.
Chapman, H. C., M.D., April, 1868.
Chase, Heber, M.D., Aug. 1836.
Chase, Pliny E., May, 1876.
Chatard, Thos. M., Nov. 1872.
**Cheston, D. Murray*, M.D., May, 1867.
**Childs, Geo. W.*, Jan. 1866.
**Claghorn, C. Eugene*, June, 1873.
**Claghorn, James L.*, July, 1852.
**Clark, Clarence H.*, May, 1867.
**Clark, Edward (N.R.)*, Jan. 1817.
**Clark, E. W.*, May, 1867.
**Clark, Frank H.*, May, 1867.
**Clark, J. Hinckley*, March, 1859.
**Clark, John Y.*, M.D., Feb. 1826.
Clark, L. S., M.D., Sept. 1873.
Clark, T. Edwards (N.R.), Dec. 1858.
**Clarke, Edw. S.*, Jan. 1858.
**Clay, Joseph A.*, Aug. 1837.
Cleaver, Isaac, M.D., Jan. 1817.
Cleborne, C. J., M.D., U.S.N., July, 1860.
Cleburne, Wm. (N.R.), March, 1857.
Clements, Richard, M.D., July, 1855.
Clemm, Charles (N.R.), Oct. 1847.
**Clyde, Thomas*, May, 1867.
Coates, Andrew (N.R.), May, 1860.
**Coates, Benj. H.*, M.D., April, 1818.
**Coates, Isaac T.*, M.D., Sept. 1876.
Cochran, George, March, 1875.
Coleman, Geo. Dawson, April, 1858.
Coles, John M., M.D., U.S.N., May, 1874.
**Collet, Mark W.*, Sept. 1852.
Collier, David L., Nov. 1870.
**Collins, Zacchaeus*, March, 1815.
**Colwell, Stephen*, Feb. 1867.
Comegys, Benj. B., March, 1867.
Comegys, Walter D., May, 1870.
Comly, Franklin A., Feb. 1860.
Comly, Isaac, M.D., June, 1868.
**Conarroe, Geo. M.*, Feb. 1861.
**Conrad, Solomon W.*, March, 1826.
Conrad, Thomas K. (N.R.), Feb. 1861.
Conrad, Timothy A., Jan. 1831.
Cook, John E., May, 1877.
**Cooke, Jay*, May, 1867.
**Cooke, John*, Jan. 1848.
**Cooper, Lewis*, March, 1867.
**Cope, Alfred*, July, 1856.
**Cope, Caleb*, Jan. 1848.
**Cope, Edward D.*, July, 1861.
**Cope, Francis R.*, Feb. 1867.
**Cope, Miss R. A.*, Feb. 1867.
**Cope, Thomas P.*, Feb. 1867.
Corlies, S. Fisher, May, 1868.
Correa de Serra, Joseph, Feb. 1814.
Corse, James M., M.D., Nov. 1852.
Covey, Edw. N., M.D. (N.R.), Dec. 1857.
**Cox, James S.*, June, 1859.
Coxe, Alexander S., Feb. 1815.
**Coxe, Brinton*, Dec. 1859.
**Coxe, Charles S.*, April, 1867.
Coxe, Eckley B., Jan. 1865.
**Craig, Andrew C.*, May, 1877.
Cram, Gen'l F. J., Oct. 1859.
Cramp, C. H., June, 1876.
**Crease, Orlando*, May, 1867.
Cresson, Caleb, Feb. 1871.
**Cresson, Chas. Caleb*, Sept. 1840.
**Cresson, Ezra T.*, April, 1858.
**Cresson, John C.*, April, 1853.
Cross, C. W., Jan. 1877.
**Crozer, John P.*, March, 1862.
Cruice, Robert B., M.D., Dec. 1874.
Cruice, Wm. B., M.D., Jan. 1876.
Cuesta, Fernando de la (N.R.), Nov. 1844.
**Cummins, Daniel B.*, June, 1857.

- Curtin, Roland G., M.D., Nov. 1871. *Dunlap, Thomas*, Dec. 1856.
 Curtis, Edw., M.D. (N.R.), July, 1863. *Dunn, Nathan* (corres.), June, 1828.
 Curtis, Josiah (N.R.), June, 1843. *Durand, Elias*, April, 1852.
**Cuyler, Theodore*, Feb. 1869. *Durborrow, Chas. B.*, March, 1866.
**Da Costa, J. C.*, M.D., Feb. 1852. **Dutilh, Charles*, Oct. 1874.
Da Costa, John C., Jr., June, 1857. *Dutton, Clar. Ed.*, Lt. U. S. A., Feb. 1871.
Da Costa, John C., Sr., June, 1857. **Earp, Thomas*, March, 1867.
Dallam, David E., Nov. 1874. *Eastwick, Edward P.* (N.R.), May, 1857.
Darby, John T., M.D. (N.R.), March, 1859. *Eberle, John*, M.D., April, 1819.
Darlington, Wm. M. (N.R.), Nov. 1868. **Eckfeldt, John*, M.D., March, 1876.
Darrach, Jas. A., M.D., Nov. 1858. **Eckstein, H. C.*, M.D., U. S. N., June, 1873.
Darrach, Wm., M.D., May, 1844. **Edwards, Amory* (N.R.), March, 1852.
Davids, Hugh, Dec. 1866. *Edwards, Arthur M.* (N.R.), Sept. 1858.
**Davidson, Geo.*, Aug. 1858. **Edwards, Edward B.*, Jan. 1867.
Davis, Chas., M.D. (N.R.), March, 1842. *Edwards, J. Warner*, May, 1875.
Davis, David Jones, June, 1815. *Egbert, Daniel*, M.D., U. S. N., October, 1858.
Davis, John C., June, 1859. *Eisenbrey, W. Harrison*, March, 1870.
Davis, William M., Jr., Oct. 1875. **Ellet, Chas., Jr.*, April, 1842.
Day, Richard H., Nov. 1871. *Elliot, D. G.* (N.R.), May, 1860.
De Figaniere, Alfonso (N.R.), Mar. 1866. **Ellmaker, Levi*, April, 1829.
**Deitz, Rudolph*, Jan. 1821. *Elwyn, Alfred L.*, M.D., Dec. 1831.
**Dickeson, M. W.*, M.D., Oct. 1846. *Emerson, G.*, M.D., Aug. 1853.
**Dickey, Rev. Charles A.*, April, 1876. *Emlen, Harry*, June, 1869.
Dickson, S. Henry, M.D. (cor.), Feb. 1843. *Emlen, J. Norris*, April, 1859.
**Diffenbaugh, E.*, Dec. 1865. *Endlich, Frederick W.* (N.R.), June, 1871.
**Dimpfel, F. P.*, April, 1858. *England, James B.*, July, 1875.
**Dixon, George B.*, March, 1876. **Ennis, Jacob*, Feb. 1857.
**Dobson, Judah*, Nov. 1813. **Erben, Peter C.*, April, 1873.
Dock, Geo., M.D. (N.R.), Feb. 1854. *Evans, Edm. C.*, M.D. (N.R.), Oct. 1838.
**Dougherty, James*, Oct. 1874. *Evans, Rowland E.*, Nov. 1860.
**Dongherty, Wm. H.*, Nov. 1870. *Fagan, Hugh I.*, Jan. 1875.
Dow, John M. (N.R.), Sept. 1858. **Fahnestock, Geo. W.*, Aug. 1852.
Downie, T. C. (N.R.), Aug. 1859. *Farnum, J. Edwards*, Jan. 1867.
Doyle, John, Sept. 1872. **Farnum, John*, May, 1853.
**Draper, Edmund*, May, 1853. **Fell, J. G.*, May, 1853.
Drayton, Henry E., M.D., April, 1858. *Feltus, Henry J.*, Nov. 1859.
**Dreer, Ferdinand J.*, April, 1857. *Fenimore, Jason L.*, June, 1866.
**Drexel, Jos. W.*, June, 1860. *Field, Thos. Y.* (N.R.), Aug. 1859.
Drown, T. M., M.D., May, 1872. *Fiot, Augustus*, Jan. 1864.
Ducachet, Rev. H. W., D.D., April, 1852. *Fischer, Emil*, M.D., Nov. 1868.
**Dulles, Joseph II.*, Feb. 1816. **Fisher, Charles Henry*, May, 1853.
Dulty, William, Feb. 1869. *Dunglison, Richard A.*, M.D., May, 1874. *Fisher, Ellicott*, April, 1875.
Dundas, Jas., Aug. 1844. **Dunglison, Robley*, M.D., Jan. 1853. **Fisher, Harvey*, June, 1876.
Dunglison, Thos. R., M.D., April, 1872. *Fisher, Henry M.*, M.D., Jan. 1876.

- *Fisher, Jas.C., M.D. (N.R.), July, 1850. Givin, R. M., M.D., Dec. 1874.
 *Fisher, J. Francis, May, 1853. Gobrecht, W. H., M.D. (N. R.), July, 1856.
 *Fisher, Joseph, May, 1821. Goddard, Kingston, Rev. (N.R.), Jan. 1848.
 Fisher, Thomas, April, 1824. Goddard, Kingston G., M.D., April, 1873.
 *Fitler, Edwin H., M.D., Jan. 1876. Goddard, Paul B., M.D., Feb. 1829.
 Fogg, Isaac S., April, 1869. *Godey, Louis A., May, 1874.
 Foltz, Jonathan, M.D., U.S.N., May, 1859. Godman, John D., M.D., July, 1821.
 *Foote, Albert E., M.D., July, 1876. *Goldsmith, Edward, Jan. 1868.
 Ford, John, Dec. 1866. Goodman, Henry Ernest, M.D., Jan. 1877.
 Forwood, W. H., M.D., U. S. A., Oct. 1876. Gorgas, Albert C., M.D., U. S. N., Feb. '57.
 Foster, Hudson S., Jan. 1834. Gowen, F. B., April, 1872.
 Foster, Wm. A., Nov. 1833. *Graeff, John E., Feb. 1866.
 Foulke, Wm. Parker, Nov. 1849. *Graff, Frederic, May, 1853.
 *Fox, Joseph M., Dec. 1873. *Graham, Mrs. Elizabeth V., Oct. 1874.
 *Fox, Wm. Logan, Jan. 1873. *Grant, Gen. Ulysses S., July, 1865.
 Frampton, L. A., M.D. (N.R.), Sept. 1859. Grant, Wm. Robertson, M.D., Dec. 1849.
 Francfort, Eng., M.D. (N.R.), Oct. 1856. *Grant, Wm. S., Dec. 1866.
 -Frazer, John F., Sept. 1835. *Gratz, Robert H., April, 1867.
 *Frazer, Persifor, Jr., May, 1869. *Greble, Edwin, Jan. 1867.
 *Frazer, Robert, Jan. 1866. Greenbank, Richard M., M.D., Oct. 1859.
 *Frazier, Robert, April, 1814. *Greene, F. V., M.D., U. S. N., Sept. 1852.
 *Freedly, Wm. G., April, 1872. *Greene, Stephen, Sept. 1875.
 Fricke, Albert, M.D., Nov. 1859. Greer, James, March, 1869.
 *Frost, John, Sept. 1844. Grier, Wm. P., M.D., June, 1859.
 Fry, Horace B. (N.R.), Dec. 1859. Griffith, J. P. Crozer, Feb. 1876.
 Fry, J. Reese, Jan. 1857. Griffith, R. Egglefield, M.D., May, 1815.
 *Furness, H. H., Nov. 1861. *Griffith, Robert E., Sept. 1852.
 Gabb, Wm. M. (N.R.), Jan. 1860. Griffith, Robt. E., M.D., Oct. 1856.
 Gambell, Wm., M.D., Aug. 1843. *Grigg, John, May, 1853.
 *Garrett, Philip C., Feb. 1866. Griscom, Samuel S., Nov. 1830.
 Garrigues, S. S., M.D. (N.R.), June, 1856. Gross, Sam'l. D., M.D., Dec. 1856.
 Gentl, Fred. A., M.D., April, 1852. Grubb, Edw. Burd (N.R.), April, 1860.
 Gentry, Thos. G., Sept. 1870. *Guex, John A., Nov. 1854.
 *Gerhard, Wm. W., M.D., Nov. 1835. Guier, George, M.D. (N.R.), June, 1866.
 Germain, Lewis J. (N.R.), April, 1846. Guillou, Constant, March, 1854.
 Gibbons, Charles, Jan. 1867. Guillou, Victor, Oct. 1858.
 Gibbons, Wm. P. (N.R.), Nov. 1833. Gumbes, Sam. Wetherill, April, 1834.
 Gibbs, George, (N.R.), Jan. 1856. Gumbes, Wm. H., May, 1870.
 *Gibson, Henry C., July, 1867. Gutekunst, Frederick, June, 1871.
 *Gibson, John, July, 1867. *Haddock, Daniel, Jr., May, 1866.
 *Gibson, Miss Rebecca, March, 1875. *Haehulen, Lewis, April, 1873.
 Gihon, A. L., M.D., U. S. N., Dec. 1871. Hagedorn, C. F., Aug. 1855.
 Gilbert, Wm. K., M.D., May, 1866. *Haines, Miss Ann, Feb. 1867.
 *Gilliams, J., M.D. (found.), Jan. 1812. *Haines, Miss Jane R., Feb. 1867.
 Gillingham, Joseph E., May, 1872. *Haines, John S., March, 1841.
 Gillis, J. P., Commodore U.S.N., Nov. '71. *Haines, Reuben, Nov. 1813.

- *Haines, Reuben, May, 1874.
 *Haines, Robt. B., Jan. 1848.
 Haldeman, Rich. J. (N.R.), Aug. 1857.
 *Haldeman, S. S. (N.R.), Jan. 1837.
 Hall, Augustus R., April, 1873.
 Hall, Charles E., Feb. 1875.
Hallowell, Caleb S., Jan. 1869.
 **Hallowell, Edw.*, M.D., Feb. 1834.
 *Hallowell, Morris L., May, 1853.
 **Hulsey, Wm. S.*, M.D., April, 1857.
 Hamilton, Hugh, M.D. (N.R.), May, 1874.
 *Hammitt, B., June, 1867.
 *Hand, James C., July, 1860.
Hanson, H. Cooper, Feb. 1853.
 Hare, H. Binney, M.D., Aug. 1867.
 **Hare, Robert*, M.D., Nov. 1813.
 Hare, Robt. H., Feb. 1859.
 Hargadine, R. W., M.D. (N.R.), May, 1868.
 **Harlan, Richard*, M.D., Oct. 1815.
 Harlow, Louis D., M.D., Aug. 1857.
 Harmar, James Lanman, Aug. 1869.
 **Harris, Edward* (N.R.), Aug. 1835.
 **Harrison, Joseph, Jr.*, Aug. 1854.
 Harrison, Theodore L., Feb. 1870.
 Hart, Harry C., M.D., March, 1858.
 Hartman, John M., Feb. 1873.
 **Hartshorne, Chas.*, Feb. 1866.
 Hartshorne, Edw., M.D.. May, 1847.
 Hartshorne, H., M.D. (N.R.), April, 1855.
 **Haseltine, Frank*, May, 1867.
 **Haseltine, John*, April, 1859.
 **Haseltine, Ward B.*, April, 1859.
 Hassler, F. A., M.D., 1867.
 **Hawkins, B. Waterhouse*, Aug. 1868.
 **Hay, William*, April, 1867.
 Hayden, F. V., M.D. (corres.), Mar. 1856.
 **Hayes, Isaac I.*, M.D. (N.R.), Jan. 1856.
 **Hays, Isaac*, M.D., July, 1818.
 **Hazard, Joseph P.*, Nov. 1872.
Hazard, Saml. (corres.), Jan. 1814.
Heerman, Adolphus L., M.D., April, 1845.
 Heger, Anthony, M.D. (N.R.), Feb. 1867.
 Helfenstein, J. S., June, 1876.
 **Hembel, William*, Sept. 1824.
Henderson, A. A., M.D., U. S. N. (cor.),
 July, 1848.
Henry, Bernard, M.D., May, 1849.
- **Henszey, George C.*, March, 1869.
 **Henszey, W. C.*, Jan. 1859.
Hentz, N. M. (N.R.), May, 1819.
Hepburn, Jas. (N.R.), June, 1863.
 **Hering, C.*, M.D. (corres.), Oct. 1826.
Hering, C. J. (N.R.), Sept. 1855.
Hess, Robert, M.D., May, 1876.
 **Heuston, Geo.* (N.R.), March, 1870.
 **Hewson, Addinell*, M.D., Jan. 1853.
Hibler, W. Grier, Nov. 1871.
Hiester, J. P., M.D. (N.R.), Nov. 1843.
Hilgard, T. C., M.D. (N.R.), Oct. 1854.
Hinkle, A. G. B., M.D., Sept. 1867.
 **Hockley, Mrs. Amelia D.*, Oct. 1874.
 **Hockley, Thomas*, May, 1874.
 **Hoffman, C. J.*, Sept. 1873.
Hoffman, W. I., M.D., Nov. 1874.
Holman, D. Shepherd, May, 1872.
 **Holmes, Chas.*, Feb. 1838.
Holt, J. F., M.D., June, 1868.
Hooper, Wm. H., M.D., Dec. 1854.
 **Hoopes, B. A.*, Feb. 1856.
Hoopes, Josiah, April, 1866.
Hopkinson, Joseph, M.D., Feb. 1852.
 **Horn, Geo. H.*, M.D., July, 1866.
Horn, Wilbur F. (N.R.), Dec. 1869.
 **Horner, Wm. E.*, M.D., Feb. 1849.
Honor, Ellen, May, 1870.
 **Horstman, F. Oden*, May, 1875.
 **Horstmann, Wm. J.*, Dec. 1863.
 **Houston, H. H.*, April, 1867.
Howell, Rev. J. B. (N.R.), Sept. 1873.
Howell, Saml. B., M.D., Nov. 1855.
Huffnagle, Chas., M.D. (N.R.), Nov. 1830.
Hugel, A. (N.R.), Sept. 1865.
Humphrey, H. C., Dec. 1875.
Humphrey, Rev. Z. M., Nov. 1869.
 **Humphreys, Geo. A.*, Sept. 1855.
 **Hunt, J. Gibbons*, M.D., July, 1858.
Hunt, Wm., M.D., Jan. 1855.
 **Hunter, Chas. T.*, M.D., Jan. 1870.
 **Huston, Samuel*, May, 1866.
 **Hutchinson, Jas. H.*, M.D., April, 1858.
 **Hutchinson, J. Pemberton*, May, 1853.
Jackson, Isaac R., Aug. 1841.
James, Bushrod W., M.D., Oct. 1870.

- *James, Thos. C., M.D., March, 1814.
- Janeway, J. H., M.D. (N.R.), Sept. 1858.
- Janney, Nathaniel E., April, 1873.
- *Jaudon, Samuel (N.R.), Jan. 1836.
- Jayne, Eben C., Dec. 1866.
- *Jayne, Horace F., Feb. 1876.
- *Jeanes, Miss Anna T., May, 1875.
- *Jeanes, Joseph, May, 1853.
- *Jeanes, Joshua T., Dec. 1866.
- *Jeanes, Miss Mary, May, 1875.
- *Jeanes, Samuel, Jan. 1856.
- Jefferis, Wm. W., Nov. 1874.
- Jenkins, Wilson M. (N.R.), Jan. 1867.
- *Jenks, Wm. P., Feb. 1871.
- *Jessup, Alfred D., April, 1872.
- *Jessup, Augustus E., Nov. 1818.
- *Jessup, Edw. A., Nov. 1857.
- Johnson, Christopher (N.R.), Dec. 1858.
- Johnson, Walter R. (N.R.), Feb. 1827.
- Johnstone, Alex., March, 1860.
- *Jones, Jacob P., March, 1875.
- Jones, Thos. P., M.D., Dec. 1812.
- *Jordan, John, Jr., Jan. 1851.
- Judson, Oliver A., M.D., Oct. 1858.
- Justicee, A. R., June, 1876.
- Kane, Elisha K., Jan. 1843.
- Kane, John K., M.D. (N.R.), April, 1859.
- Keagy, J. M., M.D., Jan. 1843.
- *Keating, Wm. H., April, 1816.
- *Keating, Wm. V., M.D., Jan. 1853.
- *Keehmle, Wm. C., March, 1866.
- Keen, Wm. W., Jr., M.D., April, 1867.
- Keffer, Fred.A., M.D. (N.R.), Nov. 1864.
- Keim, Geo. De B., Jan. 1874.
- Keim, Geo. M. (N.R.), July, 1852.
- Keller, Wilhelm, M.D., Nov. 1848.
- Kelly, Howard A., July, 1875.
- Kendall, Prof. E. Otis, March, 1860.
- *Kenderdine, Robt. S., M.D., May, 1866.
- *Kennedy, Elias D., Aug. 1867.
- Kennicott, R. (corres., N.R.), April, 1858.
- Kern, Benj. J., M.D., Sept. 1847.
- Kern, Edward M. (N.R.), Oct. 1847.
- Kern, Richard H., May, 1847.
- *Kilvington, Robert, April, 1843.
- King, Chas. R., M.D., June, 1843.
- King, Wm. M., M.D. (N.R.), Oct. 1863.
- King, Wm. S., M.D. (N.R.), July, 1863.
- Kingsbury, Chas. A., M.D., March, 1860.
- *Kingsley, I. E., May, 1874.
- Kinsman, Chas.* W., Feb. 1865.
- Kitchen, J. S.*, M.D., U. S. N., June, 1858.
- *Klett, Frederick, Dec. 1865.
- *Kneass, Wm., May, 1814.
- Kneeland, S., Jr., M.D. (N.R.), May, 1858.
- *Knight, Edw. C., May, 1867.
- Knight, J. B., Nov. 1875.
- *Knight, J. Frank, Feb. 1863.
- Koenig, George A., M.D., Nov. 1872.
- Krauth, C. P., Nov. 1872.
- *Krider, John, March, 1859.
- *Laing, Henry M., June, 1876.
- *Lambert, John, Nov. 1846.
- Lamborn, R. H., May, 1857.
- Land, John* (N.R.), May, 1836.
- Lang, Edmund*, M.D., April, 1853.
- Langstroth, Rev. L. L. (N.R.), Sept. 1851.
- *Lankenau, Frank W., Dec. 1873.
- *Lea, H. C., Feb. 1848.
- *Lea, Isaac, LL.D., June, 1815.
- Lea, John*, May, 1815.
- *Lea, Joseph, June, 1852.
- *Lea, M. Carey, Sept. 1847.
- *Lea, Thos. T., May, 1853.
- Le Conte, John* (corres.), Feb. 1815.
- *Le Conte, J. L., M.D. (corres.), Feb. 1845.
- Leeds, Albert R. (N.R.), Dec. 1866.
- Leeds, Josiah W., Dec. 1867.
- Leffman, Henry, M.D., Sept. 1872.
- *Leidy, Joseph, M.D., July, 1845.
- Leisenring, John, Oct. 1874.
- *Lejee, Wm. R., Feb. 1848.
- *Lennig, Francis, July, 1851.
- *Lennig, Nicholas, Jan. 1875.
- *Lenning, Chas., Oct. 1847.
- Lesley, J. P., June, 1853.
- *Lesueur, Chas. A., Jan. 1818.
- Letterman, J. C., M.D. (N.R.), Jan. 1859.
- Lewick, James J., M.D., Jan. 1867.
- *Lewis A. J., May, 1853.
- *Lewis, Chas. S., April, 1866.
- Lewis, Edward, March, 1868.

- **Lewis, Elisha J.*, M.D., July, 1846.
- **Lewis, Francis W.*, M.D., Oct. 1849.
- **Lewis, Geo. T.*, Dec. 1863.
- Lewis, Grace Anna*, May, 1870.
- **Lewis, Henry C.*, March, 1875.
- **Lewis, John T.*, March, 1876.
- Lewis, Richard A.*, Nov. 1871.
- Lewis, Samuel*, M.D., Oct. 1855.
- **Lewis, Samuel G.*, Sept. 1875.
- **Lewis, Saunders*, March, 1859.
- Leyboldt, F. (N.R.)*, March, 1862.
- **Lilly, William*, March, 1874.
- **Lippincott, Joshua*, April, 1859.
- **Lippincott, Joshua B.*, June, 1853.
- **Little, Amos R.*, March, 1866.
- **Little, James H.*, April, 1867.
- **Livezey, John*, Feb. 1867.
- **Logan, J. Dickinson*, M.D., Mar. 1853.
- **Long, Mrs. E. P.*, March, 1867.
- Longstreth, Joshua*, June, 1815.
- **Longstreth, Wm. W.*, Feb. 1860.
- Loreuz, W.*, Feb. 1863.
- **Lovering, Jos. S., Jr.*, Feb. 1867.
- **Lovering, Joseph S.*, May, 1853.
- **Ludlow, John L.*, M.D., Nov. 1847.
- **Lukens, Isaiah*, June, 1812.
- Luther, Diller*, M.D. (N.R.), Oct. 1854.
- Lyman, Benj. Smith (N.R.)*, Aug. 1865.
- **Macalester, Charles*, Jan. 1873.
- **McAllister, Jas. W.*, Feb. 1876.
- M'Allister, John, Jr.*, June, 1856.
- McAllister, W. Mitchell*, Nov. 1868.
- M'Call, Gen. G. A. (corres.)*, June, 1847.
- McCanles, John*, April, 1859.
- M'Clellan, J. H. B.*, M.D., Nov. 1847.
- **McClure, Wm.*, July, 1812.
- McCombs, R. S.*, M.D., Nov. 1875.
- McCook, Rev. H. C.*, Aug. 1875.
- **McCreary, Geo. D.*, Dec. 1874.
- **McCreary, I. Elmore*, Dec. 1874.
- **McCreary, J. B.*, May, 1865.
- Maeowell, William G.*, Oct. 1874.
- MEuen, Chas.*, Dec. 1834.
- McEuen, Chas. Izard*, June, 1858.
- **MEuen, Thos.*, M.D., May, 1818.
- Macfarlane, Andrew, A.M.*, Sept. 1873.
- Macfarlane, Charles W.*, Jan. 1874.
- Macfarlane, John J.*, April, 1873.
- McGrath, John M.*, M.D., May, 1875.
- McGuire, Jas. C. (N.R.)*, April, 1857.
- **McIntyre, Archibald*, Feb. 1871.
- **McKean, H. Pratt*, April, 1867.
- **McKean, Wm. V.*, Jan. 1875.
- **Mackellar, Thos.*, March, 1877.
- McLaughlin, John*, Feb. 1871.
- **Maclare, Alexander*, Dec. 1840.
- M'Michael, Wm.*, June, 1850.
- McQuillen, J. H.*, M.D., Oct. 1865.
- **Mactier, Wm. L.*, Jan. 1860.
- **Magarge, Charles*, April, 1867.
- **Magee, Horace*, Dec. 1867.
- **Magee, J. Ronaldson*, Dec. 1867.
- Maisch, John M.*, March, 1864.
- **Mann, C. M. (founder)*, Jan. 1812.
- **Markland, John H.*, May, 1839.
- Marsh, Benj. V.*, April, 1857.
- **Marshall, Benj.*, Feb. 1867.
- **Marshall, Richard M.*, Feb. 1867.
- **Martin, Geo.*, M.D., April, 1857.
- **Martin, Jas. S.*, Feb. 1870.
- **Martin, John S.*, March, 1876.
- Martindale, Isaac C.*, June, 1876.
- Martindale, Jos. C.*, M.D., Jan. 1863.
- **Mason, James S.*, March, 1875.
- **Massey, William*, May, 1873.
- Matthews, Chas. W.*, Oct. 1867.
- **Maule, Daniel*, Oct. 1874.
- Maury, F. F.*, M.D., May, 1868.
- Mayburry, Wm.*, M.D., Oct. 1866.
- **Mead, Theodore L. (N.R.)*, March, 1876.
- **Meade, Maj. Gen. Geo. C.*, July, 1865.
- Mears, J. Ewing*, M.D., Nov. 1870.
- **Meehan, Thos.*, March, 1860.
- **Meichel, John*, March, 1876.
- **Meigs, Jas. Aitken*, M.D., April, 1852.
- **Meigs, J. Forsyth*, M.D., April, 1852.
- **Mercer, Singleton A.*, May, 1853.
- **Merrick, J. Vaughan*, April, 1854.
- **Merrick, Saml. V.*, May, 1853.
- **Messchert, M. H.*, June, 1854.
- Mickle, Andrew E.*, M.D., June, 1831.
- Mifflin, Geo.*, March, 1835.
- Miller, Adolph W.*, Aug. 1875.

- *Miller, Andrew H., Dec. 1871.
Miller, Clement S., Dec. 1836.
 Miller, E. Spencer, May, 1862.
 *Miller, Jos. W., May, 1872.
 Milliken, Jas., March, 1863.
 Millikin, George, July, 1875.
 Mills, Chas. K., M.D., Oct. 1870.
Minturn, Edw., M.D., Oct. 1857.
 *Miskey, Wm. F., April, 1872.
 Mitchell, Ed. Craig (N.R.), July, 1860.
 *Mitchell, I. E., Oct. 1874.
 *Mitchell, John K., M.D., July, 1822.
 Mitchell, S. Weir, M.D., Sept. 1853.
 Monks, Sarah P., Sept. 1872.
 Monnier, Alfred (N.R.), Aug. 1856.
 Montgomery, John T., Jan. 1877.
 Moore, Alfred, Feb. 1873.
 *Moore, Andrew M., July, 1867.
 *Moore, B. H., April, 1872.
 *Moore, B. H., Mrs., April, 1872.
Moore, Francis, M.D., May, 1860.
 Moore, Gideon E., Ph.D., Nov. 1872.
Moore, J. G., July, 1866.
 *Moore, Saml., M.D., Nov. 1855.
 *Moorhead, Wm. G., Dec. 1867.
 *Mordecai, E. R., M.D. (N.R.), May, 1860.
 Morehouse, Geo. R., M.D., Aug. 1856.
 *Morris, Elliston P., Nov. 1875.
 Morris, Galloway C., May, 1874.
 *Morris, Henry, March, 1862.
 *Morris, Henry G., Feb. 1868.
 *Morris, Israel, April, 1867.
 *Morris, Jacob G., April, 1852.
 *Morris, J. Cheston, M.D., Oct. 1854.
 Morris, John T., April, 1870.
 *Morris, Mrs. Levi, April, 1873.
 *Morris, Marygaretta H., Sept. 1859.
 *Morris, P. P., May, 1872.
 *Morris, Stephen, Feb. 1868.
 *Morris, Theo. H., May, 1867.
 *Morris, Wistar, April, 1867.
 *Morton, Samuel C., March, 1867.
 *Morton, Saml. Geo., M.D., April, 1820.
 Morton, Thos. Geo., M.D., Aug. 1856.
Moss, Theo. F., June, 1845.
 Muckle, Alexander, M.D., Jan. 1875.
 Muhlenberg, Henry A. (N.R.), Jan. 1874.
- Munzinger, Pierre, March, 1876.
Mütter, Thos. D., M.D., July, 1833.
 *Myers, John B., May, 1853.
 Nancrede, Charles B., M.D., June, 1869.
 *Neall, Daniel, Dec. 1873.
 *Nebinger, A., M.D., July, 1866.
Neff, Chas., M.D., April, 1858.
 Neuman, Joseph, Sept. 1873.
Newbold, Thos., M.D. (N.R.), Nov. 1854.
Newkirk, Matthew, Nov. 1867.
 *Nichols, Gustavus A., March, 1871.
 *Nolan, Edw. J., M.D., April, 1867.
Norris, Geo. W., M.D., May, 1858.
 *Norris, Herbert, M.D., May, 1868.
 *Norris, Isaac, M.D., Jan. 1861.
 *Norris, Octavius A., Oct. 1849.
 *Norris, Thaddeus, May, 1858.
 *Norris, Wm., Jr., Dec. 1830.
 *Norris, Wm. F., M.D., May, 1858.
 Ogden, Jas. A., M.D., Nov. 1871.
 O'Neil, T. Warren (N.R.), Feb. 1871.
 *Ord, George, Sept. 1815.
Orne, Jas. H., Dec. 1865.
 Owen, A. M., M.D., U. S. N., Oct. 1874.
 Packard, John H., M.D., Nov. 1856.
 *Page, Joseph F., April, 1867.
Page, Wm. Byrd, M.D., April, 1853.
 *Pancoast, Jos., M.D., Dec. 1847.
 Pancoast, Wm. H., M.D., Sept. 1870.
 *Parke, Thomas E., M.D., Nov. 1871.
 *Parker, Chas. F., Aug. 1865.
 *Parmentier, N. S. (founder), Jan. 1812.
 Parrish, Charles, Oct. 1874.
Parrish, Edward, Prof., Dec. 1860.
 *Parrish, Jas. C., March, 1866.
Parrish, Wm. D., May, 1858.
Patterson, Francis E., Jan. 1859.
 Patterson, J. M., Jan. 1875.
 *Patterson, Joseph, Feb. 1867.
 *Patterson, R. M., M.D., Jan. 1816.
 Paul, Jas., M.D., March. 1857.
 *Peace, Edw., M.D., April, 1859.
Peale, Charles Wilson, April, 1868.
 *Peale, Titian R., Aug. 1817.

- Pearsall, Robt.*, Dec. 1835.
 **Pease, James G.*, Nov. 1874.
Peirce, C. Newlin, D.D.S., Feb. 1868.
Peirce, Gertrude K., April, 1877.
 **Peltz, Richard*, March, 1868.
Pemberton, Henry, March, 1876.
 **Pennock, Mrs. Caroline*, Jan. 1873.
 **Pennock, C. W.*, M.D. (N.R.), June, 1824.
Pennypacker, I. A., M.D., Sept. 1854.
Pennypacker, I. Towers, Feb. 1875.
Pennypacker, Samuel W., Nov. 1871.
Penrose, R. A. F., M.D., April, 1856.
Penrose, Saml. S., Nov. 1830.
Penrose, T. N., M.D., U. S. N., May, 1873.
Pepper, Geo., M.D., Aug. 1867.
 **Pepper, Geo. S.*, July, 1860.
 **Pepper, Henry*, May, 1853.
 **Pepper, L. S.*, M.D., July, 1857.
Pepper, Wm., M.D., Feb. 1837.
Percival, Thomas C., Jan. 1845.
Perot, Charles P., May, 1874.
Peters, Francis, Jan. 1859.
Peterson, Geo. W., Aug. 1859.
 **Peterson, Richard*, April, 1873.
 **Peterson, Robert E.*, April, 1831.
 **Phillips, C. Charles*, Feb. 1871.
Phillips, John S., Aug. 1836.
 **Phillips, Moro*, March, 1867.
 **Pierce, Jacob* (N.R.), Dec. 1813.
Piersol, George A., M.D., April, 1876.
 **Pine, William S.*, March, 1876.
Platt, Franklin, Jr., Dec. 1868.
 **Platt, Wm.*, May, 1853.
Platt, William G., May, 1875.
Porter, Prof. E. D. (N.R.), Oct. 1857.
 **Potter, Thomas*, May, 1867.
Potts, Edward, March, 1876.
 **Potts, Howard N.*, Jan. 1873.
 **Potts, Joseph D.*, Nov. 1874.
Potts, Wm. (N.R.), Nov. 1860.
Potts, Wm. John, May, 1877.
 **Poultney, Charles W.*, Oct. 1874.
Powel, John Hare (N.R.), May, 1858.
Powel, Robt. Hare, May, 1862.
Powel, Saml. (N.R.), July, 1847.
 **Powers, Thos. H.*, Dec. 1873.
 **Preston, Jonas*, M.D., Jan. 1825.
- **Price, Eli K.*, Nov. 1875.
Price, Isaac C., Nov. 1868.
 **Price, J. Sergeant*, Feb. 1876.
 **Price, Richard*, May, 1853.
Prince, Wm., Capt., U. S. A., Sept. 1872.
Procter, Wm., Jr., Feb. 1867.
 **Poulson, Chas. A.*, Sept. 1823.
 **Queen, Jas. W.*, Jan. 1858.
Quimby, B. F., April, 1871.
Rafinesque, C. S., Feb. 1816.
 **Ralston, Rev. J. G.*, May, 1867.
 **Rand, B. Howard*, M.D., Jan. 1851.
Rand, Theodore D., Sept. 1857.
 **Randolph, Evan*, Feb. 1867.
 **Randolph, Richard*, May, 1814.
Randolph, S. Emlen, Dec. 1865.
 **Read, James*, Dec. 1824.
 **Reakirt, Edwin L.*, Jan. 1866.
Reakirt, Tryon, April, 1866.
 **Redfield, John H.* (corres.), Aug. 1846.
Reece, Davis (N.R.), Nov. 1860.
 **Reed, Chas. D.*, Feb. 1870.
Reeve, Mark M., M.D., March, 1831.
 **Reeves, Samuel J.*, March, 1874.
 **Remington, Thos. P.*, May, 1853.
Rhoades, Edwin, M.D., May, 1868.
 **Rhoads, Beulah M.*, Dec. 1875.
 **Rhoads, James M.*, March, 1876.
 **Rhoads, Jos. R.*, May, 1866.
 **Rice, Geo.* (N.R.), May, 1870.
 **Rice, John*, April, 1861.
Richardson, Caleb, Dec. 1814.
Richardson, Joseph G., M.D., Nov. 1868.
Richardson, T. G., M.D. (N.R.), Jan. 1858.
 **Ridings, James*, Feb. 1876.
 **Ridings, James H.*, Feb. 1876.
 **Roach, Joseph II.*, Dec. 1875.
Robb, Richard R., Feb. 1867.
Roberts, Charles, March, 1876.
Roberts, George, M.D. (N.R.), July, 1868.
Roberts, Louisa J., Sept. 1873.
 **Roberts, S. Raymond*, June, 1866.
Roberts, Solomon W., April, 1860.
Robinson, John B., U. S. N., Oct. 1874.
 **Robinson, Thos. A.*, Sept. 1872.

- *Rockhill, Daniel H., May, 1867.
- *Rogers, Charles H., Jan. 1876.
- Rogers, Fairman, Feb. 1854.
- Rogers, Henry D. (N.R.), Nov. 1834.*
- Rogers, James B., M.D., Oct. 1847.*
- Rogers, R. E., M.D., Feb. 1837.
- **Rogers, W. Frederick*, March, 1855.
- Rogers, Wm. B., Jr., Sept. 1870.
- *Root, Thomas S., Feb. 1876.
- Rosengarten, J. G., April, 1877.
- *Rosengarten, Saml. G., May, 1850.
- *Rotch, Joseph, Feb. 1814.
- *Rotch, Thomas, Feb. 1816.
- Rothermel, John G., Oct. 1874.
- Rothermel, Peter F., Feb. 1875.
- Rothrock, J. T., M.D., Dec. 1864.
- *Ruschenberger, W. S. W., M.D. (cor-
res.), May, 1832.
- Rush, Madison*, June, 1855.
- Rush, William H., M.D., June, 1873.
- Ryan, Thomas*, Jan. 1836.
- Ryland, K., M.D., Dec. 1857.
- *Sanderson, Ed. F. (N.R.), Sept. 1853.
- *Santee, Eugene J., M.D., Sept. 1875.
- Sargent, F. W., M.D. (N.R.), Sept. 1847.
- Saurman, Benj. F.*, M.D., Jan. 1863.
- *Say, Benjamin, June, 1813.
- *Say, Lucy W. (N.R.), Oct. 1841.
- *Say, Thomas (founder), April, 1812.
- Scattergood, Geo. J., Aug. 1863.
- *Scattergood, Thos., Jr., Nov. 1862.
- *Schaffer, Chas., M.D., March, 1861.
- *Schaffer, Wm. L., Dec. 1873.
- *Schafhirt, Fred. (N.R.), March, 1853.
- Schimmell, Jose O., Oct. 1872.
- *Schively, Geo. S., M.D., Dec. 1866.
- Schmidt, Henry D. (N.R.), Feb. 1858.
- Schwarz, G., May, 1874.
- *Scott, Thomas A., April, 1867.
- Scribner, Frank L., Feb. 1877.
- Scull, Gideon D. (N.R.), March, 1857.
- *Seal, Thomas F. (N.R.), May, 1852.
- Seiler, Karl, M.D., Oct. 1874.
- Seitzinger, F. S.*, April, 1859.
- Sellers, Coleman, Dec. 1866.
- Sellers, Wm., April, 1866.
- *Sergeant, J. Dickinson, Oct. 1847.
- *Seybert, Henry, Dec. 1826.
- Shallcross, John, May, 1874.
- Sharpless, Casper W.*, Jan. 1852.
- *Sharpless, Charles S., Jan. 1876.
- *Sheafer, P. W. (N.R.), March, 1853.
- Sheppard, Edwin, Dec. 1867.
- *Sherman, Roger, June, 1868.
- Sherman, W. L.*, M.D., Oct. 1851.
- *Shinn, John Jr. (founder), Jan. 1812.
- Shoemaker, Benj. (N.R.), Sept. 1835.
- Shoemaker, Benj. H., Oct. 1858.
- Shoemaker, Geo. Y., Nov. 1867.
- Shober, Sam. L., July, 1866.
- Shreve, Elizabeth, Feb. 1871.
- Shryock, Allen, Nov. 1871.
- *Siegfried, C. A., M.D., U.S.N., Jan. 1873.
- Simes, J. H. C., M.D., April, 1876.
- *Simmons, John (N.R.), July, 1835.
- *Sinclair, John C., April, 1869.
- Sinuickson, Chas.*, Jan. 1873.
- *Sinnott, Joseph F., Jan. 1868.
- Slack, John H.*, M.D. (N.R.), July, 1857.
- *Slaymaker, Samuel E., March, 1866.
- *Sloan, Andrew W., May, 1867.
- Slocum, Charles E., M.D., June, 1876.
- Smallwood, Hannah T., May, 1870.
- *Smedley, Samuel L., Dec. 1873.
- Smith, A. K., M.D. (N.R.), Nov. 1862.
- Smith, Andrew H., M.D., Jan. 1863.
- *Smith, Aubrey H., Sept. 1850.
- *Smith, Benj. H., March, 1876.
- *Smith, Charles, March, 1867.
- *Smith, Charles E., June, 1851.
- *Smith, Charles W., Dec. 1815.
- Smith, Daniel B., April, 1870.
- Smith, Edgar F., April, 1877.
- *Smith, George Washington, Oct. 1874.
- Smith, Green (N.R.), Sept. 1870.
- Smith, Henry H., M.D., April, 1859.
- *Smith, Jacob R., Dec. 1815.
- Smith, John B.*, April, 1834.
- *Smith, Joseph P., Feb. 1826.
- *Smith, Thomas, June, 1859.
- Smith, Thos. Guilford (N.R.), Jan. 1866.
- *Smith, Uselma C., Aug. 1868.
- *Smith, Walter B., Jan. 1867.

- Smyth, Francis Garden, M.D., Nov. 1872. *Tatnall, Edward, Jr., March, 1876.
 Smyth, Samuel (N.R.), June, 1855. Taylor, Alfred B., Dec. 1865.
Snelling, Samuel, Aug. 1836. *Taylor, Charles, March, 1867.
 *Sommerville, Jas. M., M.D., Feb. 1858. Taylor, Edward, June, 1876.
 *Sommerville, Maxwell, June, 1876. Taylor, Levi (N.R.), July, 1868.
Souder, Edmund A., Feb. 1857. *Taylor, Rich. C. (corres.), July, 1832.
 *Spackman, George, M.D., July, 1825. Taylor, T. Clarkson, May, 1866.
 *Spackman, Rev. H. S., July, 1855. Taylor, William J., Feb. 1857.
 *Sparks, Thomas, May, 1859. Thomas, Rev. C. F., June, 1877.
 *Speakman, John (founder), Jan. 1812. *Thomas, Joseph, M.D., April, 1866.
 Spear, J. C., M.D., U. S. N., Aug. 1869. Thompson, E. O., July, 1876.
 *Spencer, Charles, April, 1867. Thompson, George W., Feb. 1871.
 *Spencer, Howard, Feb. 1874. *Thompson, James C., Feb. 1865.
 *Starr, Jesse W., Feb. 1876. *Thompson, J. Edgar, Feb. 1831.
 Starr, T. W., May, 1868. *Thompson, John, April, 1872.
 Steel, Francis P., June, 1868. *Thompson, John J., Nov. 1872.
 Steele, J. Dutton (N.R.), Feb. 1863. Thompson, Lewis, Feb. 1871.
Steinhaur, Rev. Dan., July, 1829. Thomson, Wm., M.D., June, 1868.
 Stellwagen, Thos. C., M.D., March, 1866. Tompkins, Myron, M.D. (N.R.), May, '58.
 Stephens, Lemuel, May, 1858. Torr, Wm. S., Oct. 1860.
 Stephenson, B. F., M.D., U.S.N., Nov. 1875. *Tower, C., May, 1873.
 *Stetler, John G., M.D., Feb. 1867. *Townsend, John K., M.D., Sept. 1833.
 Stevenson, William C., Jr., Dec. 1875. *Townsend, Richard H., M.D., Jan. 1873.
 *Stewardson, Thomas, M.D., April, 1859. *Trautwine, John C., April, 1852.
 Stewardson, Thos., Jr., Sept. 1870. *Trevor, John B. (N.R.), May, 1867.
 Stewart, William (N.R.), June, 1823. *Trimble, Annon D., Jan. 1873.
 Stewart, Wm. H. (N.R.), Oct. 1858. *Troost, Gerard, M.D. (found.), Jan. 1812.
 Stiles, G., M.D., April, 1872. Trotter, Newbold H., Dec. 1865.
 Stille, Henry M., M.D. (N.R.), May, 1866. Trudeau, James, M.D. (N.R.), Nov. 1835.
Stilé, Louis, S., M.D., Nov. 1871. Truman, Wm., M.D., May, 1868.
Stimpson, Wm., M.D., April, 1858. *Tryon, Adeline S., Nov. 1874.
Stockton, E. B., May, 1815. *Tryon, Edw. K., March, 1876.
 Stoddart, Jos. M., Jan. 1877. *Tryon, Geo. W., Jr., June, 1859.
 Stoddart, J. Marshall, April 1877. *Tuft, John B.*, M.D. (N.R.), May, 1831.
Stokes, William A., May, 1874. *Turnbull, W. P.*, July, 1857.
 *Stouse, Joseph, M.D., May, 1812. *Turner, John, March, 1866.
 *Strecker, Herman, June, 1873. Turner, Thos. J., M.D., U.S.N., Feb. 1854.
 Streets, Thos. H., M.D., U.S.N., Sept. 1869. *Turnpenny, Frederick*, M.D., Nov. 1833.
Struthers, William, Feb. 1852. *Turnpenny, Jos. C., Dec. 1866.
Swaim, William, Jan. 1872. *Tyler, Geo. F., April, 1867.
 *Swift, Joseph, May, 1853. Tyndale, Hector, Feb. 1869.
 Taggart, Wm. H., M.D., April, 1853. Tyson, James, M.D., Aug. 1867.
 *Taitt, Mrs. Caroline G., March, 1875. *Tyson, Job R.*, May, 1854.
 *Taitt, John T., May, 1867. Uhler, Philip R. (N.R.), March, 1858.
 *Tasker, Stephen P. M., Feb. 1868. Uhler, W'm. H., M.D., Jan. 1856.
 *Tasker, Thos. T., Jr., Feb. 1868. Ulke, Henry (N.R.), April, 1858.

- Vail, Hugh D., Nov. 1860.
 Vanderkemp, John J., M.D. (N.R.), April, 1854.
 Vandyke, E. B., M.D., Sept. 1866.
Varuxem, Lardner, June, 1815.
 *Vaughan, John, March, 1822.
 *Vaux, Mrs. E. H., Feb. 1867.
 *Vaux, George, Dec. 1866.
 *Vaux, Roberts, March, 1818.
 *Vaux, William S., March, 1834.
 *Wagner, Mary, Feb. 1877.
 *Wagner, Tobias, Oct. 1818.
 *Wagner, William, June, 1815.
 Wahl, W. H., M.D., Nov. 1870.
 Wales, Philip S., M.D., U.S.N., Oct. 1868.
 Walker, A. M. (N.R.), April, 1836.
 *Waln, S. Morris, June, 1867.
 Walton, Joseph, April, 1866.
 *Warden, William S., Dec. 1814.
 Ware, Nathaniel A. (N.R.), Oct. 1826.
 Warner, Benjamin, Feb. 1814.
 *Warner, John, Dec. 1860.
 *Warner, Redwood F., Dec. 1864.
 Warren, David March, May, 1857.
 Warren, Gen. G. K. (N.R.), Feb. 1857.
 Waterhouse, John F., M.D., March, 1814.
 *Waterman, Isaac S., Dec. 1867.
 Watson, Gavin, M.D., April, 1840.
 *Watson, Joseph, May, 1816.
 Waugh, W. F., M.D., Jan. 1876.
 Weber, R. L., M.D., U.S.N., April, 1866.
 *Weightman, John F., M.D., March, 1874.
 *Weightman, Wm., Sept. 1856.
 *Wells, W. Lehmann, M.D., June, 1863.
 *Welsh, John, Dec. 1859.
 *Welsh, John, Jr., Dec. 1873.
 *Welsh, Samuel, March, 1867.
 *Welsh, William, May, 1853.
 West, Hilborne, M.D., Sept. 1855.
 *Wetherill, Charles, Nov. 1830.
 *Wetherill, C. M., M.D. (N.R.), Feb. 1846.
 *Wetherill, J. Price, March, 1817.
 Wetherill, J. Price, March, 1871.
 Wetherill, Samuel (N.R.), Nov. 1843.
 *Wetherill, William, Feb. 1824.
 Wharton, Henry, Feb. 1858.
 *Wharton, Joseph, July, 1864.
 Wharton, William, Jr., June, 1876.
 *Wheatley, Chas. M., March, 1850.
 *Wheeler, Charles, April, 1867.
 *Whelen, Alfred, M.D., Jan. 1876.
 *Whelen, Charles S., Jan. 1874.
 *Whelen, Edward S., June, 1853.
 *Whelen, Jas. N., May, 1867.
 *Whelen, Wm. A., May, 1867.
 Whelpley, James D. (N.R.), March, 1838.
 *Whildin, Alex., May, 1867.
 *White, George Geny, Nov. 1874.
 *White, S. S., D.D.S., Nov. 1859.
 *White, Wm. R., Feb. 1866.
 *White, Wm. R., Jr., May, 1867.
 Whitman, H. F., Oct. 1876.
 Whitman, Wm. E., Feb. 1848.
 *Whitney, Asa, May, 1867.
 *Whitney, George, May, 1867.
 *Whitney, Jas. S., Dec. 1858.
 *Whitney, John R., May, 1867.
 Wilcocks, Alex., M.D., April, 1857.
 Willard, Dwight D., April, 1870.
 Willecox, Joseph, Dec. 1867.
 Williams, Edward H., June, 1871.
 *Williams, Henry J., April, 1819.
 Williams, Isaac S., Dec. 1874.
 Williams, Samuel H., May, 1859.
 *Williamson, Chas. Sumner, May, 1875.
 *Williamson, I. V., April, 1867.
 Williamson, Passmore, April, 1872.
 Williamson, Wm. H., M.D., May, 1875.
 Wilson, Alexander, June, 1813.
 Wilson, Franklin S., May, 1867.
 *Wilson, Joseph, M.D., U.S.N., Jan. 1856.
 Wilson, Pierce B. (N.R.), Oct. 1858.
 *Wilson, Rathmell, March, 1876.
 *Wilson, Thos. B., M.D., June, 1832.
 *Wilson, Wm. S., June, 1848.
 *Wilstach, Wm. P., July, 1860.
 *Wilt, Charles, March, 1876.
 *Windrim, James H., Feb. 1876.
 *Winsor, Henry, Aug. 1865.
 *Wistar, Isaac J., March, 1874.
 Wistar, Mifflin, M.D., June, 1839.
 *Wistar, Richard, Jan. 1831.
 *Wister, Caspar, M.D., June, 1851.

*Wister, John, April, 1876.	*Wright, Edward, May, 1873.
Wister, Owen J., M.D., June, 1859.	Wright, George, Capt. U. S. A., Feb. 1870.
Withrow, I. L. (N. R.), April, 1869.	Wright, George A., June, 1876.
Wolgamuth, Francis F., Feb. 1848.	*Wright, James A., May, 1867.
*Wood, Edw. R., Feb. 1866.	Wright, Joseph C., Oct. 1873.
*Wood, George, Dec. 1875.	Wurts, C. S., M.D., July, 1857.
*Wood, Geo. B., M.D., Feb. 1825.	Wythes, Rev. Jos. H. (N.R.), Nov. 1853.
*Wood, Geo. K., M.D. (N.R.), Jan. 1862.	
*Wood, Horatio C., Jr., M.D., June, 1864.	*Xantus, John Louis (de Vésey), (N.R.),
Wood, Richard, Sept. 1860.	Dec. 1856.
*Wood, Richard D., May, 1853.	
*Wood, Robert, Feb. 1876.	Yarrow, Harry C., M.D., U.S.A., May, '63.
*Wood, Stuart, March, 1876.	Young, Charles A., Jan. 1875.
Wood, Wm. W. (N.R.), Jan. 1825.	
Woodhouse, Sam. W., M.D. Nov. 1845.	Zantzinger, George, Sept. 1835.
Woodward, Geo. W. (N.R.), Jan. 1866.	*Zantzinger, Wm. S., M.D. (N.R.), Oct.
Woodward, J. J., M.D., U.S.A., June, 1855.	1840.
Woollens, Jos., M.D., June, 1815.	Zentmayer, Joseph, May, 1868.
Workman, H. Weir, Sept. 1870.	Ziegler, George J., M.D., Nov. 1856.

SUMMARY.

Contributing members	297
Non-resident ¹ "	125
Exempt from dues by commutation; or life members ² .	442
Existing members	864
Deceased members	345

¹ A member who moves his domicile to any locality distant more than thirty miles from the Academy may be released from the payment of the stated dues on application to the treasurer (*By-Laws, Art. V. Chapter IX.*). Members exempted from the payment of dues on this account are termed "non-resident."

² A member who has commuted, or expunged the semi-annual claim of the Academy against him during life for stated contributions by the payment of one sum to the "permanent fund" (*By-Laws, Art. III. Chapter IX.*), becomes conventionally distinguished by the title of "life member" on the treasurer's books and on this list. The charter of the Academy provides that "the Society shall consist of *members* and *correspondents*" exclusively. For this reason those who belong to it cannot lawfully assume in this connection any other title, such as "life member," or "corresponding member," or "non-resident member."

C O R R E S P O N D E N T S.

- Aall, Nicolai, Christiania, Sweden, 1846.
Abadie, E. H., M.D., U. S. A., 1836.
Abadie, Pedro, Lima, Peru, 1821.
Adams, Arthur, London, 1867.
Adams, Charles B., Amherst, Mass., 1846.
Adams, Rev. E. E., Oxford, Delaware County, Pennsylvania, 1867.
Adams, Henry, London, 1867.
Adamson, J. C., M.D., 1856.
Adrian, Robert, LL.D., 1815.
Agardh, Professor C. A., Lund, Sweden, 1834.
Agassiz, Alex. E. R., Cambridge, Mass., 1864.
Agassiz, Professor Louis, Cambridge, Mass., 1836.
Aleantara, Dom Pedro D', Emperor of Brazil, 1876.
Alger, Francis, Boston, 1841.
Anderson, Rev. M. B., LL.D., Rochester, New York, 1866.
Angas, George French, Port Jackson, 1867.
Anthony, John Gould, Cambridge, Mass. 1833.
Antisell, Thomas, M.D., New York, 1852.
Anton, Professor Frak., Hallé, Germany, 1840.
Arago, M., Paris, 1843.
Arriago, José Joaquin, Mexico, 1874.
Auber, Pedro Allessandro, 1835.
Audouin, J. Victor, M.D., Paris, 1821.
Audubon, John James, New York, 1831.
Audubon, John W., New York, 1854.
Audubon, Victor G., New York, 1845.
Avogadro, Amadeo, Turin, 1844.

Bachman, Rev. John, D.D., Charleston, South Carolina, 1832.
Bachmann, Professor Charles Frederick, Jena, Germany, 1840.
Bailey, Professor J. W., West Point, 1841.
Baird, W. M., Reading, Pennsylvania, 1846.
Baldwin, William, M.D., Wilmington, Delaware, 1817.
Balfour, J. Hutton, M.D., Glasgow, Scotland, 1842.
Barabino, Joseph, New Orleans, 1831.

- Bárcena, Dr. Mariano, Mexico, 1874.
Barrande, Joachim, Prague, 1859.
Barratt, John P., M.D., Barrattsville, South Carolina, 1847
Barratt, Joseph, LL.D., Middleton, Connecticut, 1837
Barry, Rev. A. C., Racine, Wisconsin, 1853.
Bartlett, John R., New York, 1850.
Bartram, William, Kingsessing, Pennsylvania, 1812.
Bandon, Auguste, M.D., Beanvais, France, 1867.
Baxter, Dr. J. H., U. S. A., Washington, D. C., 1866.
Beaumont, Elie de, Paris, 1833.
Becke, Sir Henry Thomas de la, London, 1832.
Beck, Lewis C., New Brunswick, New Jersey, 1833.
Beck, T. Romeyn, M.D., Albany, New York, 1816.
Bedwell, Thomas, Jr., Rio Janeiro, 1812.
Beebe, Edw. H., Galena, Ill., 1863.
Beelen, A., Pittsburg, Pa., 1812.
Belisario, Dr. John, Sydney, N. S. W., 1875.
Bell, Thomas, London, 1834.
Bellingeri, M., Turin, Italy, 1826.
Belot, Jule Henri, Paris, 1836.
Beneke, Professor F. W., M.D., Hesse Cassel, 1858.
Benoit, Luigi, Messina, 1867.
Benson, H., Cheltenham, Eng., 1867.
Berg, Rev. Dr. Jos. F., Rutgers College, New Jersey, 1868.
Bernardi, Chev. A. C., Paris, 1860.
Berthoud, E. S., Boulder City, Colorado, 1866.
Berzelius, Professor J. Jacob, Stockholm, 1826.
Best, Robert, Lexington, Kentucky, 1823.
Betton, Samuel, M.D., Germantown, 1815.
Beudant, F. S., Paris, 1821.
Bey, Clot, M.D., Cairo, Egypt, 1845.
Bickley, Robert, Pennsylvania, 1816.
Bigsby, John J., M.D., Newark-on-Trent, England, 1820.
Bingham, Wm. T., Boston, Massachusetts, 1868.
Binney, Amos, M.D., Boston, 1836.
Bishop, Nathaniel H., Princeton, N. J., 1869.
Blackmore, William, London, 1869.
Blainville, H. Ducrotay de, Paris, 1817.
Blake, Rev. Joseph, Gilmanton, New Hampshire, 1866.
Blake, W. P., Oakland, Ct., 1856.
Blanchard, M. Emile, Paris, 1848.
Bland, Thomas, New York, 1858.
Blanding, Shubel, M.D., South Carolina, 1836.
Blanding, William, M.D., Providence, R. I., 1831.
Blanding, William, South Carolina, 1836.
Blyth, Edward, Calcutta, 1848.
Boeck, Prof. Carl Wilhelm, Christiania, Norway, 1870.

- Boicin, Am.*, Paris, 1864.
Bonelli, Professor Francisco, Turin, 1818.
Booth, Francis, M.D., London, 1832.
Borie, A. Amiens, Paris, 1821.
Boudin, J. C. M., M.D., Versailles, France, 1845.
Boué, Ami, Paris, 1830.
Bourguignat, M. J. R., Paris, 1867.
Bourne, W. Oland, New York, 1844.
Boynton, Dr. John F., New York City, N. Y., 1868.
Bradbury, John, London, 1817.
Bradley, Prof. Frank H., Knoxville, Tennessee, 1870.
Brady, George Stewardson, Sunderland, England, 1871.
Brandegee, Townsend S., Canon City, Colorado, 1873.
Brantz, Lewis, Baltimore, Maryland, 1819.
Breneman, A. A., Lancaster County, Pennsylvania, 1868.
Brewer, Thomas M., M.D., Boston, 1841.
Brewer, Wm. H., New Haven, Conn., 1867.
Brewster, David, LL.D., Edinburgh, 1822.
Brevoort, James Carson, Brooklyn, New York, 1847.
Broderip, William J., London, 1836.
Bromfield, William A., M.D., Isle of Wight, 1847.
Brougniart, Adolph T., M.D., Paris, 1821.
Brougniart, Alexandre, Paris, 1812.
Brown, Benjamin B., St. Louis, Missouri, 1887.
Brown, Richard, Sydney, Cape Breton, 1846.
Brown, Samuel, M.D., Alabama, 1818.
Bruce, Archibald, M.D., New York, 1812.
Brücke, Professor E., Vienna, 1854.
Brunet, Rev. Ovide, Quebec, 1855.
Bryan, Col. T. M., Vincenttown, N. J., 1875.
Brydges, Sir Harford J. J., Bart., England, 1848.
Buch, Leopold von, Berlin, 1840.
Buck, Charles Elton, New York, 1866.
Buckland, Rev. William, D.D., Oxford, England.
Buckley, S. B., Austin, Texas, 1871.
Bunbury, Charles J. F., London, 1859.
Burchell, William J., London, 1835.
Burnett, Waldo J., M.D., Boston, 1854.
Burr, John H., M.D., Chiloe, Chili, 1829.
Busch, G. von dem, M.D., Bremen, 1867.
Bustamente, José María, Mexico, 1828.

Cailliard, Fred., Nantes, 1867.
Caligny, M. Le Mis de, France, 1866.
Campbell, H. Frazer, M.D., Augusta, Georgia, 1858.
Camper, Adrian, Holland, 1821.
Cantor, Theodore, M.D., Singapore, India, 1848.

- Capellini, Giovanni, Bologna, 1863.
Carbonell, Celedonio, Porto Rico, 1859.
Carling, E. B., Col. U. S. A., 1869.
Carothers, A. E., M.D., Saltillo, Mexico, 1874.
Carpenter, P. P., Montreal, C. E., 1862.
Carpenter, Wm. B., M.D., London, 1860.
Carpenter, Wm. M., M.D., Louisiana, 1840.
Carr, Robert, Kingsessing, Pennsylvania, 1816.
Carte, Alexander, Dublin, 1869.
Carter, Dr. J. Van A., U. S. Army, 1871.
Carter, Samuel R., Paris Hill, Oxford County, Maine, 1866.
Carus, Professor Charles G., M.D., Dresden, 1837.
Casanova, J. S., M.D., Paris, 1834.
Cass, Lewis, Detroit, 1831.
Castellani, Alessandro, Rome, 1876.
Castillo, Don Antonio del, Mexico, 1874.
Cautley, Major Proby T., London, 1836.
Cavada, F. F., U. S. Consul, Trinidad, 1867.
Chapman, A. W., M.D., Florida, 1861.
Chapman, Isaac, M.D., Bucks County, Pennsylvania, 1813.
Charlesworth, Edward, London, 1841.
Chenu, J. C., Paris, 1867.
Chevreul, E. M., Paris, 1845.
Children, J. G., London, 1836.
Chipman, Isaac L., Horton, Nova Scotia, 1847.
Chittenden, Hon. L. E., New York, 1863.
Chitty, Hon. Edw., Kingston, Jamaica, 1867.
Cist, Jacob, Wilkesbarre, Pennsylvania, 1816.
Claparede, Edw., Geneva, 1859.
Clapp, Asahel, M.D., New Albany, Indiana, 1837.
Clark, Prof. James H., Centre County, Pennsylvania, 1868.
Clark, Lewis Meriwether, St. Louis, Missouri, 1837.
Clay, J. Randolph, London, 1839.
Clemens, Brackenridge, M.D., Easton, Pa., 1859.
Clendon, Major George, Jr., Glenn's Falls, New York, 1868.
Cleveland, Parker, LL.D., Bowdoin College, Maine, 1812.
Clifford, John D., Lexington, Kentucky, 1816.
Clinton, De Witt, LL.D., New York, 1815.
Clinton, Geo. W., Buffalo, 1866.
Cloquet, Jules, Paris, 1816.
Cloquet, Jules (le jeune), Paris, 1819.
Cobb, J., M.D., Kentucky, 1848.
Cobbold, T. Spencer, M.D., London, 1868.
Cocchi, Prof. Igino, Florence, Italy, 1870.
Cogswell, Joseph H., New York, 1816.
Cohen, J. J., M.D., Baltimore, Maryland, 1833.
Colla, Professor Luigi, Turin, 1822.

- Collier, D. C., Central City, Colorado, 1866.
Collins, Baron de, Havana, Cuba, 1818.
Combe, George, Edinburgh, 1838.
Conybeare, William D., London, 1836.
Conyngham, R. dmond, Lancaster County, Pennsylvania, 1842.
Cook, George H., New Brunswick, New Jersey, 1869.
Cook, M. C., London, 1874.
Cooper, J. G., M.D., San Francisco, Cal., 1867.
Cooper, Thomas, M.D., LL.D., Columbia, South Carolina, 1812.
Cooper, William, New York, 1828.
Cornay, J. C., Paris, 1861.
Corson, Dr. Jos. K., U. S. A., 1871.
Couch, D. N., U. S. A., 1853.
Cones, Elliott, M.D., U. S. Army, Washington, D. C., 1861
Couper, J. Hamilton, Darien, Georgia, 1842.
Couthouy, Joseph P., Boston, 1837.
Coutinho, J. M. da Silva, Rio de Janeiro, 1877.
Cowan, Hon. Edgar, Pennsylvania, 1861.
Cowan, Frank, Washington City, 1866.
Cox, J. C., Sydney, New South Wales, 1867.
Craft, James S., Pittsburg, Pennsylvania, 1831.
Cramer, Charles, St. Petersburg, Russia, 1834.
Craven, J. J., M.D., U. S. A., 1863.
Credner, Herman, New York, 1866.
Croom, H. P., Tallahassee, Florida, 1835.
Crosse, H. M., Paris, 1867.
Curtis, John, London, 1836.
Curtis, F., M.D., U. S. A., 1869.
Cuvier, Baron George, Paris, 1818.

Dall, Wm. H., Washington, D. C., 1869.
Dalton, Henry G., M.D., Demarara, 1852.
Dalton, John C. W., M.D., New York, 1854.
Dana, James D., New Haven, Connecticut, 1836.
Dana, Samuel L., Cambridge, Massachusetts, 1815.
Daniel, Wm. F., M.D., London, 1852.
Darlington, William, M.D., West Chester, Pennsylvania, 1815.
Darwin, Chas., F.R.S., F.G.S., London, 1860.
Davis, Edwin Hamilton, M.D., Chillicothe, Ohio, 1847.
Davis, Hon. Henry Winter, Baltimore, 1863.
Davis, J. Bernard, England, 1856.
Davis, John, Boston, 1812.
Dawson, J. W., Pictou, Nova Scotia, 1846.
Deabbate, Gaspard, Turin, 1823.
Dean, John, M.D., Boston, 1862.
Dearing, W. E., M.D., Augusta, Georgia, 1854.
Decaisne, Prof. Jos., Paris, 1862.

- De Camp, Wm. H., M.D., Grand Rapids, Mich., 1859.
De Candolle, Alphonse, Geneva, 1853.
De Candolle, Auguste P., Geneva, 1836.
Dekay, James E., M.D., New York, 1821.
Delafield, Major Joseph, New York, 1846.
Denny, Henry, Leeds, England, 1842.
De Rivero, Mariano, Arequipa, Peru, 1821.
Deshayes, G. P., Paris, 1832.
Desmarest, Anselme Gaetan, Paris, 1817.
Desmoulin, Chas., Bordeaux, 1859.
Desor, Prof. Edward, Neuchatel, 1877.
Dewey, Rev. Chester, Rochester, N. Y., 1832.
Dewey, Henry B., Para, Brazil, 1850.
Diesing, C. M., M.D., Vienna, Austria, 1851.
Dietz, Andrew R., St. Thomas, West Indies, 1839.
Dillwyn, Lewis W., Penllegare, Wales, 1815.
Doane, George W., D.D., New Jersey, 1848.
Do Castello de Paiva, Baron, Lisbon, 1807.
Doddridge, C., M.D., Brook C. H., Virginia, 1812.
Doebereiner, Professor Johannes W., Jena, Austria, 1830.
D'Oliveira, D. Baptista, Rio de Janerio, 1855.
D'Orbigny, M. Alcide, Paris, 1834.
Doremus, R. Ogden, M.D., New York, 1855.
Dowler, Bennet, M.D., New Orleans, 1848.
Drake, Daniel, M.D., Cincinnati, Ohio, 1812.
Draper, John W., M.D., New York, 1836.
Drapier, A., Brussels, 1824.
Dresser, H. E., London, 1867.
Drouet, Henri, Troyes, 1867.
Du Bois, Prof. Alfred, Launette, Park Co., Colorado, 1866.
Ducatel, Julius F., M.D., Baltimore, Maryland, 1812.
Duclos, M., Paris, 1833.
Duméril, Constant, Paris, 1818.
Duncan, Thomas, Rappahannock, Virginia, 1816.
Dunker, Professor Wm., Marburg, Cassel, 1859.
Dupont, Alfred, Wilmington, Delaware, 1821.
Durham, Geo. J., Austin, Texas, 1867.
Durieu de Maisonneuve, Prof., Bordeaux, 1865.
Duvignan, M., Paris, 1820.

Eandi, Chev. A. M., Vassali, Turin, 1822.
Earle, John Milton, Worcester, Massachusetts, 1833.
Eaton, Amos, Troy, New York, 1829.
Eaton, H. Hulbert, M.D., Lexington, Kentucky, 1831.
Edwards, Alphonse Milne, Paris, France, 1868.
Edwards, M. Milne, Paris, 1832.
Edwards, Wm. H., New York, 1861.

- Ehrenberg, Christian G.*, M.D., Berlin, 1848.
Eights, James, M.D., Albany, New York, 1837.
Elliott, Andrew, Pennsylvania, 1812.
Elliott, Stephen, Charleston, S. C., 1815.
Elliott, Rev. Stephen, Savannah, Georgia, 1856.
Ellis, W. Cox, Muncey, Pennsylvania, 1828.
Emerson, George B., Boston, 1840.
Emmons, Ebenezer, M.D., Albany, New York, 1840.
Enderlin, Charles, M.D., New York, 1854.
Engelmann, George, M.D., St. Louis, Missouri, 1840.
Escher, Henri, Switzerland, 1813.
Eschricht, Professor Daniel F., M.D., Copenhagen, 1848.
Esenbeck, Professor C. G. Nees von, Bonn, 1836.
Ettingshausen, Constantine von, 1859.
Evans, John, M.D., New Harmony, Indiana, 1850.
Eyton, Thomas C., Shropshire, England, 1846.

Falconer, Hugh, M.D., London, 1836.
Faraday, Prof. Michael, London, 1847.
Faneke, Sylvanus, Connecticut, 1815.
Favre, Prof. Alphonse, Geneva, 1877.
Fayrer, J., M.D., Calcutta, 1874.
Fatherstonhaugh, G. W., Havre, 1830.
Fendler, Augustus, Allentown, Maryland, 1868.
Ferris, Z., Wilmington, Delaware, 1815.
Férussac, Baron d'Audebard de, Paris, 1816.
Fischer, Paul, M.D., Paris, 1867.
Fitton, William Henry, M.D., London, 1837.
Fitzinger, Professor Leopold, Vienna, 1832.
Flint, Austin, M.D., New York, 1876.
Flourens, P., Paris, 1859.
Flower, Prof. Wm. Henry, F.R.S., London, 1875.
Foote, John P., Cincinnati, Ohio, 1824.
Ford, Henry A., Glasstown, Gaboon River, Liberia, 1852.
Forster, Thomas, M.D., London, 1816.
Foster, J. W., Lake Superior, 1852.
Fowler, Samuel, M.D., Franklin, New Jersey, 1823.
Fox, Rev. Charles, Michigan, 1853.
Francis, John W., New York, 1816.
Frauenfeld, Geo. Ritter von, Vienna, 1859.
Frazer, Dr. Thos. R., Edinburg, 1873.
Fremont, John Charles, 1848.
French, Wm. H., White Haven, Luzerne Co., Pa., 1866.
Frick, Henry, Northumberland, Pennsylvania, 1831.
Fussel, Edwin, M.D., Indianapolis, Indiana, 1840.

Gadolin, Gen. A., St. Petersburg, 1877.
Galbraith, John, Venango, Pennsylvania, 1831.

- Galleotti, Henry*, Brussels, 1842.
Gándara, Don Alvaro de la, Madrid, 1876.
Garcia, Jose Ant. G. y, Lima, Peru, 1855.
Garcia, Manuel de la, Madrid, 1817.
Garrett, Andrew, Huaheine, Society Islands, 1873.
Gassies, J. B., Bordeaux, 1867.
Gausssoin, Eugene, Baltimore, Maryland, 1867.
Guy, Jacques, Paris, 1862.
Geddings, E., M.D., Charleston, South Carolina, 1832.
Germar, Professor Ernst Friedrich, Halle, Saxony, 1828.
Gerolt, Baron von, Washington, 1846.
Gesner, Abraham, M.D., St. Johns, New Brunswick, 1840.
Gibbes, Lewis R., M.D., Charleston, South Carolina, 1844.
Gibbes, Robert W., M.D., Columbia, South Carolina, 1845.
Gibbs, George, New York, 1815.
Gill, Prof. Theodore, Washington, D. C., 1860.
Gilliss, J. M., U. S. N., Washington City, 1848.
Gilmer, Francis W., Albemarle County, Virginia, 1815.
Gilmore, Robert, Baltimore, Maryland, 1819.
Girard, Charles, M.D., Paris, 1851.
Giraud, Jacob P., Jr., New York, 1842.
Gliddon, George R., 1841.
Goheen, S. M. E., M.D., Columbia, Pennsylvania, 1840.
Goldfuss, Professor August, M.D., Bonn, Germany, 1832.
Goodsir, John D., Edinburgh, 1849.
Gorham, John, M.D., Harvard University, 1816.
Gould, Augustus A., M.D., Boston, 1840.
Gould, John, London, 1843.
Gourlie, William, Jr., Glasgow, 1846.
Graham, Colonel J. D., U. S. Topog. Eng., 1841.
Grant, Jas. A., M.D., Canada, 1863.
Grateloup, M., M.D., Bordeaux, 1836.
Gray, Asa, M.D., Cambridge, Massachusetts, 1836.
Gray, C. C., M.D., U. S. A., 1866.
Gray, George Robert, London, 1846.
Gray, John Edward, LL.D., London, 1823.
Gray, Robert, Glasgow, Scotland, 1866.
Green, Benjamin D., M.D., Boston, 1831.
Green, John W., M.D., New York, 1856.
Griffith, Edward, London, 1828.
Griffith, Thomas, M.D., Columbia, Pennsylvania, 1815.
Griscom, John, LL.D., Burlington, New Jersey, 1814.
Grote, Augustus R., New York, 1865.
Groth, Prof. Paul, Strasbourg, 1876.
Gruber, Prof. Wentzel, St. Petersburg, 1876.
Guckert, Frank, Ciudad Bolívar, Venezuela, 1873.
Guenther, Dr. Albert, London, 1875.

- Guérin-Méneville, F. E.*, Paris, 1861.
Guillemaud, John, London, 1817.
Gummere, John, Burlington, New Jersey, 1816.
Gundlach, J., M.D., Havana, 1867.
Gurney, John Henry, Norfolk, England, 1867.
Guyot, Professor Arnold, Princeton, N. J., 1858.
- Hadley, James, M.D.*, Fairfield, New York, 1828.
Haidinger, W. C., Vienna, 1851.
Haight, Richard K., New York, 1844.
Haines, John S., Northumberland, Pennsylvania, 1814.
Hall, James, Albany, New York, 1843.
Hamilton, W. J., London, 1859.
Hamlin, Dr. A. C., Bangor, Me., 1864.
Hammond, Ogden, Charleston, South Carolina, 1847.
Hammond, W. A., M.D., New York, 1853
Haneock, Albany, New Castle-upon-Tyne, England, 1869.
Hanley, Sylvanus, London, 1867.
Harden, John M. B., M.D., Liberty County, Georgia, 1846.
Harney, Wm. S., U. S. A., 1857.
Harris, Thaddeus W., M.D., Milton, Massachusetts, 1826.
Hartlaub, G., M.D., Bremen, 1852.
Hartman, W. D., M.D., West Chester, Pennsylvania, 1853.
Hassenfratz, J. H., Paris, 1819.
Hauer, Baron von, Vienna, 1851.
Haughton, Rev. Samuel, Dublin, Ireland, 1868.
Hauxwell, John, Pebas, Ecuador, 1871.
Hauy, L'Abbé, Paris, 1812.
Hayden, Horace H., Baltimore, Maryland, 1815.
Hayes, John Lord, Portsmouth, New Hampshire, 1814.
Hazlewood, George, London, 1821.
Hector, Dr. James, New Zealand, 1876.
Heer, Prof. Oswald, Zurich, 1859.
Henderson, Joseph, M.D., Mifflin County, Pennsylvania, 1838.
Henle, Dr. J., Göttingen, 1873.
Henry, Joseph, LL.D., Washington City, 1843.
Henry, T. Charlton, M.D., U. S. A., 1850.
Herbert, Rev. William, LL.D., Manchester, England, 1843.
Herrick, Edward C., New Haven, 1836.
Herschel, Sir J. F. W., Bart., London, 1847.
Hidalgo, J. Gonzales, Madrid, 1867.
Hildreth, Samuel P., M.D., Marietta, Ohio, 1832.
Hitchcock, Edward, LL.D., Amherst, Massachusetts, 1832.
Hochstetter, Ferdinand von, Vienna, 1877.
Hodgkin, Thomas, M.D., London, 1837.
Hodgson, W. B., Savannah, Georgia, 1843.
Hogg, Jabez, F.L.S., 1873.

- Holbrook, John Edwards*, M.D., Charleston, South Carolina, 1832.
Hollenbush, H. W., Reading, Penna., 1874.
Holmes Ezekiel, M.D., Waterville College, Maine, 1826.
Holmes, Francis S., Charleston, South Carolina, 1848.
Holmes, Prof. Oliver Wendell, Boston, 1868.
Holmes, W. H., U. S. Geo. Surv., 1876.
Hooker, Dr. J. Dalton, Kew, England, 1873.
Hooker, Sir William Jackson, London, 1821.
Hooper, Robert, M.D., London, 1834.
Hornes, Moriz, M.D., Vienna, 1859.
Horsefield, S. C. C., India, 1830.
Horsfield, Thomas, M.D., London, 1826.
Hosack, David, M.D., New York, 1815.
Hough, Franklin B., M.D., Sommerville, New York, 1851.
Houghton, Douglass, M.D., Detroit, 1840.
Hoy, Philo R., M.D., Racine, Wisconsin, 1853.
Hubbard, Oliver P., M.D., Dartmouth College, New Hampshire, 1841.
Humboldt, Baron Alexander von, Berlin, 1843.
Hunt, David, M.D., Northampton, Massachusetts, 1815.
Hurry, William Cobb, Calcutta, 1832.
Huxley, Prof. T. H., F.R.S., London, 1859.
Hyatt, Alpheus, Salem, Mass., 1867.
Hyrtl, Professor Joseph, Vienna, 1851.

Ives, Ansel W., M.D., New York, 1817.

- Jackson, Charles T.*, M.D., Boston, Massachusetts, 1833.
Jackson, J. B. S., M.D., Boston, Massachusetts, 1846.
Jackson, Robert M. S., M.D., Indiana County, Pennsylvania, 1848.
Jackson, William, Chester County, Pennsylvania, 1814.
Jäger, Prof. Geo. F., Stuttgart, 1859.
James, Elwin, M.D., U. S. A., 1823.
James, William, Halifax, Virginia, 1816.
Jameson, Robert, Edinburgh, 1822.
Jameson, William, M.D., Quito, Ecuador, 1836.
Jansen, Joseph, London, 1816.
Jardien, Ambrose, Paris, 1851.
Jarvis, Rev. T. Farmer, D.D., Middletown, Connecticut, 1837.
Jay, John C., M.D., Mamaroneck, West Chester Co., N. Y., 1835.
Jefferson, Thomas, LL.D., Virginia, 1818.
Jeffreys, J. Gwynn, London, 1867.
Jenkins, John Carmichael, M.D., Mississippi, 1836.
Jerdon, T. C., M.D., Madras, India, 1867.
Joaquin, Don José Arriago, Mexico, 1874.
Johnson, Wesley, M.D., Liberia, Africa, 1841.
Johnston, George, M.D., Berwick-on-Tweed, 1841.
Johnston, James F. W., Durham, England, 1838.

- Johnston, John, Middletown, Connecticut, 1843.
Jolis, Auguste le, Cherbourg, France, 1858.
Jones, John Coffin, California, 1838.
Jones, Jos., M.D., Nashville, Tenn., 1858.
Jones, Thos. Rupert, 1864.
Jones, Thos. Rymer, F.R.S., London, 1859.
Jones, William, Calcutta, 1817.
Jones, Dr. William H., U. S. N., 1873.
Jones, William L., M.D., Riceboro, Georgia, 1848.
Jussieu, Antoine Laurent de, Paris, 1818.
- Kaup, Professor Jean J.*, Darmstadt, 1848.
Keech, Alexander, A.F.C., Rappahannock, Virginia, 1816.
Kennedy, H. W., M.D., Buenos Ayres, 1852.
Kerr, Prof. W. C., Raleigh, North Carolina, 1871.
Kesteloot, Professor, Ghent, 1843.
King, Alfred T., M.D., Greensburg, Pennsylvania, 1844.
King, Henry, M.D., St. Louis, Missouri, 1840.
Kingsborough, Right Hon. Lord, London, 1837.
Kippist, Richard, London, 1846.
Kirkwood, Daniel, Bloomington, Ind., 1854.
Kirtland, J. P., M.D., Cleveland, Ohio, 1848.
Kite, Thos., Cincinnati, Ohio, 1865.
Knieskern, P. D., M.D., N. Jersey, 1865.
Külliker, A., Würzburg, 1869.
Kokscharow, Nikolai V., St. Petersburg, 1877.
Koninek, L. de, Brussels, 1877.
Korthals, P. W., M.D., Leyden, 1847.
Kotschubey, P. A. von, St. Petersburgh, 1877.
Krauss, Prof. F., Stuttgart, 1859.
Kuster, H. C., Cassel, 1867.
- Lachmann, Johannes, Geneva, 1862.
Lacordaire, Th., Liege, 1848.
Lagos, Manuel Fereira, Rio Janerio, 1849.
Lakanal, Count, Paris, 1815.
Lamarck, Chev. de, Paris, 1818.
Laporte, Count de Castlenan, Paris, 1837.
Laporte, J. L., Bordeaux, 1832.
Latimer, Dr. L. E., New York, 1868.
Latreille, Pierre Andre, Paris, 1817.
Langier, M., Paris, 1818.
Lawrence, George N., New York, 1847.
Lawrence, William, M.D., London, 1821.
Leach, W. Elford, M.D., London, 1818.
Le Beau, Justus, M.D., New Orleans, 1833.
Leconte, John, M.D., San Francisco, Cal., 1853.

- Le Conte, Loris*, 1815.
Lee, Henry, Westmoreland, Virginia, 1816.
Lefroy, M., Paris, 1817.
Leighton, James, M.D., Pittsburg, 1821.
Leman, M., Paris, 1817.
Leonhard, Karl Cesar von, Heidelberg, 1824.
Lepsius, Professor Karl Richard, LL.D., Berlin, 1843.
Lesquerenx, Leo, Columbus, Ohio, 1865.
Lesson, R. P., Paris, 1832.
Lettom, William G., London, 1843.
Lewis, James, M.D., Mohawk, N. Y., 1861.
L'Herminier, Louis, M.D., Guadaloupe, 1817.
Liebig, Justus, M.D., Giessen, Germany, 1840.
Lincecum, Gideon, M.D., Long Point, Texas, 1867.
Lindley, John, Ph.D., London, 1841.
Linn, Dr. S. H., St. Petersbnrg, 1876.
Lobe, M. Guillame, Havana, Cuba, 1836.
Locke, John, M.D., Cincinnati, Ohio, 1841.
Logan, Algernon Sidney, Germantown, Pennsylvania, 1815.
Logan, Sir William E., Montreal, Canada, 1846.
Long, Stephen II., U. S. A., 1817.
Longchamps, Ed. de Selys, Liege, 1842.
Lonsdale, William, London, 1847.
Loriol, Perceval de, Geneva, 1877.
Lovell, Joseph, M.D., U. S. A., Washington, 1823.
Lucas, J. A. H. (fils), Paris, 1817.
Ludlow, W. L., Col. Engineers U. S. Army, 1876.
Lund, P. W., Denmark, 1849.
Lyell, Sir Charles, London, 1832.
Lynch, William F., U. S. N., 1852.
Lyon, Sidney S., Indiana, 1863.
- Mabille, Jules*, Dinon, France, 1867.
Macartney, John P., E.D., City of Mexico, 1838.
Macaulay, Patrick, M.D., Baltimore, 1816.
McCartee, D. B., M.D., China, 1861.
M'Clellan, Gen. George B., 1855.
MacCulloch, James, M.D., London, 1829.
MDowell, Ephraim, M.D., Danville, Kentucky, 1813.
Macfadyen, James, M.D., Kingston, Jamaica, 1835.
McFarland, Rev. James, 1838.
Macgillivray, William, Edinbnrgh, 1831.
Mackuevin, William J., M.D., New York, 1814.
MacLeay, William Sharp, London, 1836.
MacOwan, Peter, Somerset, South Africa, 1874.
Magnanos, Julian, M.D., Norfolk, Virginia, 1812.
Malheiro, Prof. Laurengo, Lisbon, Portugal, 1876.

- Malherbe, Alfred, Metz, France, 1850.
Mangouri, M., Paris, 1812.
Manigault, G. E., Charleston, S. C., 1866.
Mantell, Gideon A., LL.D., London, 1831.
Mantovani, Prof., Paolo, Rome, 1875.
Marcou, Prof. Jules, Zurich, 1860.
Marin, Col. Juan J., Madrid, 1876.
Markoe, Francis, Washington City, 1841.
Marsh, Dexter, Greenfield, Massachusetts, 1852.
Marsh, Geo. P., Florence, Italy, 1867.
Marsh, O. C., New Haven, Conn., 1867.
Martius, Charles, M.D., Paris, 1833.
Martius, Professor K. F. P. von, Munich, Austria, 1832.
Maskelyne, N. S., F.R.S., London, 1875.
Mason, Owen, Providence, Rhode Island, 1841.
Mather, William W., Ohio, 1838.
Maury, M. F., U.S.N., 1852.
Maximilian, Prince of Wied, 1864.
Meek, F. B., Washington, D. C., 1856.
Melsheimer, F. E., M.D., York County, Pennsylvania, 1843.
Melsheimer, Rev. Frederick Valentine, Hanover, Pennsylvania.
Menke, Charles Theodore, M.D., Pyrmont, Germany, 1837.
Mercier, M., Paris, 1812.
Meyer, Professor Hermann von, Frankford, Germany, 1832.
Michaux, F. A., Paris, 1818.
Michel, Myddleton, M.D., South Carolina, 1849.
Michener, Ezra, M.D., New Garden, Pennsylvania, 1840.
Mighels, J. W., Portland, Maine, 1843.
Milbert, F., New York, 1821.
Miles, Professor Manly, Lansing, Mich., 1864.
Mintzer, Wm. A., Engineer Corps U. S. Navy, 1877.
Miot, A. F., Comte de Milito, Paris, 1825.
Mitchell, Elisha, Chapel Hill, North Carolina, 1832.
Mitchell, Prof. O. M., Cincinnati, Ohio, 1858.
Mitchell, Samuel L., LL.D., New York, 1812.
Mivart, Prof. St. George, F.R.S., London, 1875.
Moeller, Prof. Valerien de, St. Petersburg, 1877.
Mohrenstein, G. S. Von, Vienna, 1867.
Moleon, S. G. V. de, Paris, 1833.
Monger, Johannes, Leipsic, 1822.
Montgomery, Alexander, M.D., U. S. N., 1814.
Montgomery, Thomas W., M.D., New York, 1814.
Montral, Champvert, Guadalupe, 1812.
Montrouzier, R. P., New Caledonia, 1867.
Mörch, Prof. O. A. L., Copenhagen, 1867.
Morelet, Arthur, Dijon, France, 1867.
Morgan, Lewis H., Rochester, N. Y., 1865.

Morinier, Noel de la, Paris, 1819.
Morphett, John, Adelaide, South Australia, 1845.
Morris, Rev. John G., D.D., Baltimore, 1844.
Morse, Edw. S., Portland, Maine, 1859.
Mortimer, Capt. J. H., December, 1874.
Motschulsky, Col. Victor de, St. Petersburg, 1854.
Mott, Valentine, M.D., New York, 1814.
Mousson, Albert, Zurich, 1839.
Mueller, Baron Ferdinand von, Melbourne, Australia, 1876.
Müller, Professor John, M.D., Berlin, 1845.
Müller (von), Baron Joh. Wm., 1856.
Muhlenberg, Rev. Henry, Lancaster, Pennsylvania, 1812.
Murchison, Sir Roderick Impey, London, 1832.
Murry, James W., Seville, Spain, 1814.
Mylius, C., Kronstadt, 1822.

Nevill, George, Calcutta, East Indies, 1868.
Nevill, Hon. H., Galle, Ceylon, 1871.
Newberry, J. S., M.D., New York, 1853.
Newcomb, Wesley, M.D., Oakland, Calif., 1867.
Newmann, Johann G., Gorlitz, 1859.
Newton, Alfred, London, 1861.
Nicholsky, Prof. L., St. Petersburg, 1877.
Nicholson, Charles, M.D., Sidney, New South Wales, 1846.
Nicollet, J. N., Washington, D. C., 1842.
Nilsson, Professor Sv., Lund, Sweden, 1847.
Nordmann, Alexander von, St. Petersburg, 1854.
Norman, Benjamin M., New Orleans, 1843.
Norwood, J. G., M.D., Madison, Indiana, 1842.
Nott, Josiah C., M.D., Mobile, Alabama, 1845.
Nuttall, Thomas Sutton, Lancashire, England, 1817.

Oakes, William, Ipswich, Massachusetts, 1830.
Oemler, Augustus J., Savannah, Georgia, 1812.
O'Kelly, Michael J., Dublin, Ireland, 1816.
Oken, Lorenz, Basle, Switzerland, 1837.
Olmsted, Denison, New Haven, 1828.
Ombrosi, James, Florence, Italy, 1843.
Orton, Prof. James, Rochester, N. Y., 1868.
Osten Sacken, Baron R. von, Russian Legation, New York, 1868.
Otis, Geo. A., M.D., U. S. A., Washington, D. C., 1866.
Owen, David Dale, M.D., New Harmony, Indiana, 1840.
Owen, Prof. Richard, London, 1834.

Packard, Dr. A. S., Salem, Mass., 1876.

Palm r, John, Calentta, 1817.

Parent, M., Paris, 1820.

- Parker, W. Kitchen, F.R.S., London, 1868.
Parkes, Samuel, London, 1821.
Parsons, Usher, M.D., Providence, Rhode Island, 1838.
Peirce, Prof. Benj., Cambridge, Mass., 1858.
Pentland, J. Barclay, London, 1821.
Percival, James G., M.D., New Haven, Connecticut, 1843.
Perkins, Jacob, Newburyport, Massachusetts, 1813.
Perley, M. H., St. Johns, New Brunswick, 1852.
Peter, Robert, M.D., Lexington, Kentucky, 1835.
Peters, Prof. Wilhelm C. H., Berlin, 1875.
Petit de la Saussaye, Paris, 1867.
Pfeiffer, Louis, M.D., Cassel, 1867.
Philippi, R. A., M.D., Santiago, Chili, 1867.
Phillips, John, York, England, 1843.
Pickering, Charles, M.D., Boston, 1826.
Piddington, Henry, Calcutta, 1836.
Pierpont, William, Barbadoes, 1812.
Pinart, M. Alphonse, Paris, 1876.
Pinel, M., M.D., Paris, 1815.
Pitcher, Zina, M.D., Detroit, 1830.
Planchon, Prof. J. E., Montpelier, France, 1873.
Playfair, Col. R. L., Algiers, 1870.
Pleasants, Henry, Pottsville, Penna., 1867.
Pleasonton, Alfred, U. S. A., 1857.
Poey, Prof. F., Havana, 1867.
Poinsett, Joel R., South Carolina, 1829.
Poli, Joseph Harrier, M.D., Naples, 1820.
Porcher, Francis P., M.D., Charleston, S. C., 1849.
Porta, Prof. Luigi Bombecchi, Bologna, Italy, 1875.
Porter, Prof. T. C., Easton, Pennsylvania, 1853.
Porter, T. D., M.D., Columbia, South Carolina, 1822.
Postell, Jas., St. Simons Isle, Georgia, 1859.
Pouchet, Professor F. A., Rouen, France, 1842.
Poutrel, Alexander, Guadaloupe, West Indies, 1812.
Powell, J. W., Washington, D. C., 1872.
Pratten, Henry, New Harmony, Indiana, 1854.
Prévost, Constant, Paris, 1823.
Prichard, James Cowles, M.D., Bristol, England, 1838.
Prime, Temple, New York, 1862.
Prinsep, James, Calentta, 1836.
Prout, Hiram A., M.D., St. Louis, 1854.
Putnam, F. W., Salem, Mass., 1867.
Quinby, J. B., 1836.
Raimondi, Antonio, M.D., Lima, Peru, 1867.
Rammelsberg, Prof. C. F., Berlin, 1859.
Randall, John, M. D., Boston, 1816.

- Randall, John W., Boston, 1837.
Ranzani, Camillo, Bologna, 1827.
Rathvon, S. S., Lancaster, Pennsylvania, 1845.
Rauch, John H., Burlington, Iowa, 1856.
Ravenel, Edmund, M.D., Charleston, South Carolina, 1832.
Ravenel, Henry W., South Carolina, 1849.
Recluz, M. C., Paris, 1867.
Redfield, William C., New York, 1841.
Reeve, Lovell, F.L.S., London, 1862.
Reichenbach, Professor H. G. L., Dresden, 1836.
Reinhardt, Prof. J., Copenhagen, 1867.
Reinhardt, J. C., M.D., Brazil, 1845.
Reinwardt, Prof. C. G. C., Leyden, 1821.
Rémond de Corbneau, Auguste, San Francisco, Cal., 1863.
Retzius, Professor, Andreas, Stockholm, 1846.
Reynolds, F. N., New York, 1837.
Reynolds, Henry S., M.D., U. S. N., 1835.
Reynolds, Wm. F., U. S. T. E., 1862.
Rhea, Matthew, Columbia, Tennessee, 1832.
Rich, William, Boston, Massachusetts, 1845.
Richardson, Sir John, M.D., London, 1832.
Richtofen, Baron Ferdinand Freihern von, Berlin, 1877.
Ricord, Alexander, Paris, 1823.
Ricord, Phillippe, Paris, 1823.
Riddell, John L., M.D., New Orleans, 1836.
Rijgersma, H. Evan, M.D., St. Martins, W. I., 1868.
Riley, Charles V., St. Louis, Mo., 1873.
Riley, William, M.D., Baltimore, 1833.
Rio, Prof. Andres del, Mexico, 1849.
Risso, J. A., Nice, France, 1818.
Riviere, E., Menton, France, 1872.
Robb, James, Fredericton, New Brunswick, 1846.
Römer, Prof. Edward von, Marburg, 1859.
Römer, Ferdinand, M.D., Bonn, 1859.
Roepper, Wm. Theo., Bethlehem, Penn., 1865.
Roesler, A. R., Washington, D. C., 1868.
Rogers, W. B., Boston, 1833.
Rolleston, Prof. George, F.R.S., Oxford, England, 1875.
Romanowsky, Lt.-Col. Hennadius, St. Petersburg, 1865.
Rose, Robert H., M.D., Silver Lake, Pennsylvania, 1833.
Ross, Bernard R., Hudson's Bay Co.'s Service, 1861.
Roxburgh, William, M.D., Calcutta, 1812.
Rucco, Julius, M.D., Naples, 1820.
Rüppel, Edward, M.D., Frankfort, Germany, 1830.
Rutemeyer, Prof. Ludwig, Basle, 1877.
Rutherford, Lewis M., New York, 1859.

- Sager, Abram, M.D., Detroit, 1839.
Sagra, Ramon de la, Madrid, 1829.
St. Fonds, M. Faujas de, Paris, 1812.
St. Hilaire, Geoffrey, Paris, 1818.
 Saldanha da Gama, José de, Rio Janeiro, 1876.
 Saldanha da Gama, Luiz de, Imperial Navy of Brazil, 1876.
 Salvin, Osbert, London, 1867.
 Sandberger, Fridolin, M.D., Wiesbaden, 1855.
Sandberger, Guido, M.D., Wiesbaden, 1855.
 Santos, C. A., Rio de Janeiro, 1855.
 Saussure, Henri de, Geneva, 1859.
 Sauvalle, F. A., Cuba, 1855.
 Savage, Rev. Thomas S., M.D., Natchez, 1846.
 Savi, Professor Paolo, Pisa, 1827.
 Saynisch, Lewis, M.D., Tioga, Pennsylvania, 1836.
 Scammon, Capt. C. M., San Francisco, California, 1872.
Schaum, H., M.D., Berlin, 1852.
 Schimper, Prof. W. P., Strasburg, 1859.
Schoolcraft, Henry R., Washington, 1820.
 Schouw, Professor J. Frederick, Ph.D., Copenhagen, 1848.
 Schreibers, Charles Von, Vienna, 1818.
 Schwaegrichen, Professor Fredk., M.D., Leipsic, 1836.
Schweinitz, Rev. Lewis D. Von, Ph.D., Bethlehem, Pennsylvania, 1822.
 Selater, Philip Lutley, London, 1856.
Scoresby, Rev. William, Yorkshire, England, 1848.
 Scott, Andrew, M.D., Newbern, North Carolina, 1815.
 Scudder, Saml. H., M.D., Boston, Mass., 1867.
 Sealey, James, Cork, Ireland, 1820.
 Sedgwick, Rev. Adam, London, 1843.
Selby, John Prideaux, Northumberland, England, 1847.
Serres, Marcel de, Montpellier, France, 1832.
 Sewer, A. P., Lyons, 1867.
Shannon, John, Bearer, Pennsylvania, 1831.
 Sharpey, William S., London, 1849.
 Sheldon, Prof. D. S., Davenport, Iowa, 1862.
 Shepard, Charles U., New Haven, 1828.
Short, Charles W., M.D., Lexington, Kentucky, 1831.
Showalter, E. R., M.D., Uniontown, Ala., 1861.
 Shumard, Benjamin F., M.D., St. Louis, 1848.
 Siebold, Carl Theo. von, Munich, 1859.
 Siler, A. L., Osmer, Utah, 1874.
Silliman, Benjamin, M.D., LL.D., New Haven, 1815.
 Silliman, Benjamin, Jr., New Haven, 1841.
 Sims, Howard, Baltimore, Maryland, 1817.
 Sinclair, Wm., Glasgow, 1866.
 Skinner, Ezekiel, M.D., Liberia, 1837.
 Smallwood, Prof. Chas., M.D., Montreal, 1860.

- Smith, Lt.-Col. Charles Hamilton*, London, 1846.
Smith, J. Brown, California, 1852.
Smith, J. Lawrence, Louisville, Kentucky, 1846.
Smith, Robert, St. Thomas, West Indies, 1851.
Solar, Jose del, Lima, 1855.
Sorby, Henry Clifton, Sheffield, Eng., 1858.
Southern, William, M.D., Maryland, 1812.
Souverbie, M., Bordeaux, 1867.
Sowerby, George B., London, 1841.
Sowerby, G. B., F.L.S., London, 1865.
Spach, Prof. Edouard, Paris, 1862.
Sparrman, Andreas, Univ. Upsal, 1818.
Spillman, Wm., M.D., Columbus, Miss., 1857.
Spinner, Hon. F. E., Washington, 1863.
Squier, George E., New York, 1847.
Stabile, Abbe Joseph, Milan, 1867.
Stacey, Col. L. R., Calcutta, 1838.
Stauffer, Jacob, Lancaster, Penna., 1866.
Stearns, R. E. C., San Francisco, Cal., 1867.
Stein, Dr. Friedrich, Prague, 1862.
Steiner, Lewis H., M.D., Frederick, Md., 1855.
Steinhauer, Rev. Henry, Bethlehem, Pennsylvania.
Stemberg, Gaspard, Comte de, Bohemia, 1821.
Stephens, John L., New York, 1843.
Sternberg, George M., U. S. A., 1872.
Stevens, Alexander II., M.D., New York, 1819.
Stevens, Edward T., Salisbury, England, 1876.
Stevenson, James, U. S. Geological Survey, 1874.
Stevenson, John Jas., Morgantown, West Virginia, 1870.
Stodder, Chas., Boston, 1865.
Stoliczka, Dr. Ferdinand, Calcutta, 1868.
Storer, D. Humphreys, M.D., Boston, 1839.
Straub, Lt. Isaac G., U.S.N., 1843.
Stretch, R. H., San Francisco, California, 1868.
Strickland, Hugh E., London, 1848.
Sturm, Jacob, M.D., Nuremberg, 1847.
Styles, John, M.D., New York, 1834.
Suckley, George, M.D., New York, 1855.
Suess, Prof. Edward, Vienna, 1859.
Sullivant, William S., Ohio, 1844.
Swainson, William, New Zealand, 1830.
Swallow, G. C., Colombia, Mo., 1859.

Tait, Charles, Claiborne, Alabama, 1832.
Tannau, Professor Frederick, Berlin, 1839.
Tappan, Benjamin, Ohio, 1842.
Tate, Ralph, London, England, 1868.

- Taylor, Julius S., M.D., Carrollton, Ohio, 1845.
Temminck, Conrad Jacob, Leyden, 1824.
Thackara, J. M. S., Punca, Peru, 1866.
Thomas E., Baltimore, 1816.
Thompson, Allan, M.D., Edinburgh, 1834.
Thompson, William, Belfast, Ireland, 1848.
Thomson, John H., New Bedford, Mass., 1862.
Thornton, William, M.D., Washington, 1812.
Thurber, Geo., New York, 1861.
Tiedmann, Professor F., M.D., Heidelberg, 1848.
Tilden, Joseph, Boston, Massachusetts, 1812.
Tittel, Prof. Karl A., Munich, 1875.
Tomes, John, F.R.S., London, 1868.
Torrey, John, M.D., New York, 1822.
Totten, Jos. G., U. S. A., 1830.
Traill, Thomas Stewart, M.D., Edinburgh, 1835.
Traue, Dr. Thos. K., Edinburgh, 1873.
Trautschold, H., Moscow, 1877.
Travers, John, Jr., Lisbon, 1814.
Tremper, Jacob C., Yates County, New York, 1845.
Trescott, John S., M.D., Charleston, South Carolina, 1818.
Trimble, James, M.D., Williamsburg, Pennsylvania, 1836.
Trinius, Professor, M.D., St. Petersburg, Russia, 1836.
Tröschel, Prof. F. H., Bonn, 1867.
Tuckerman, Edward, Cambridge, Massachusetts, 1848.
Tuomey, M., Tuscaloosa, Alabama, 1845.
Turner, John, Maryland, 1814.
Turner, Dr. Theophilus H., U. S. A., 1868.
Twigg, William A., New Harmony, Indiana, 1841.

Unanué, Hippolito, M.D., Lima, Peru, 1821.
Ure, Andrew, M.D., Glasgow, 1829.

Vaillant, Leon, M.D., Paris, 1867.
Van Beneden, P. J., Bruxelles, 1864.
Vancleave, John, Dayton, Ohio, 1843.
Van Hoorebeke, Charles Joseph, Ghent, 1821.
Van Rensselaer, Jeremiah, M.D., New York, 1829.
Van Reusselaer, Stephen, Albany, New York, 1835.
Vargas, Jose Maria, M.D., Caracas, Venezuela, 1835.
Vauquelin, M., Paris, 1818.
Verneuil, Edouard de, Paris, France, 1846.
Verreaux, Jules, Paris, 1848.
Vogdes, A. W., U. S. Army, 1877.
Voltz, Louis Philippe, Strasburg, Germany, 1833.

- Wagner, Professor A., Munich, 1852.
Wailes, B. L. C., Washington, Mississippi, 1854.
Waldheim, Fischer de, Moscow, 1848.
Wallich, Nathaniel, M.D., Calcutta, 1819.
Walsh, Benjamin D., Illinois, 1861.
Ward, Malthus A., M.D., Athens, Georgia, 1832.
Warder, John A., M.D., Cincinnati, Ohio, 1842.
Warren, John C., M.D., Boston, Massachusetts, 1842.
Webber, Samuel, M.D., New Hampshire, 1851.
Webster, John W., M.D., Cambridge, Massachusetts, 1814.
Wetherill, Samuel R., Burlington, New Jersey, 1814.
Wheelwright, Joseph, M.D., Kentucky, 1814.
Whitney, J. D., Boston, 1852.
Wiedeman, D. R. G., M.D., Kiel, Germany, 1823.
Wilder, Burt G., Ithaca, N. Y., 1873.
Willis, John R., Halifax, Nova Scotia, 1867.
Wilson, Edward, Pembrokeshire, Wales, 1846.
Wilson, Hon. J. S., Washington, D. C., 1868.
Winchell, Alexander H., Ann Arbor, Mich., 1867.
Winslow, R. K., Cleveland, Ohio, 1854.
Wisely, J. J., M.D., Sioux Falls, Dakota Territory, 1866.
Wister, Charles J., Germantown, Pennsylvania, 1814.
Wood, Alphonso, Brooklyn, N. Y., 1867.
Wood, W. Maxwell, M.D., U.S.N., 1847.
Woodworth, John M., Chicago, 1861.
Worth, James, Bucks County, Pennsylvania, 1823.
Wray, Thomas J., M.D., Augusta, Georgia, 1818.
Wright, W. W., York Springs, Pa., 1859.
Wyman, Jeffries, M.D., Boston, Massachusetts, 1844.
Wynne, James, M.D., New York, 1861.
- Yarrell, William, London, 1829.
Yorke, Gen. L. E., Cincinnati, Ohio, 1871.
- Zaremba, C. William, St. Joseph's, Mich., 1867.
Ziegler, Rev. Daniel, York, Pennsylvania, 1844.
Zimmerman, Chs., M.D., Columbia, South Carolina, 1836.
Zollickoffer, William, M.D., Middletown, Maryland, 1834.
Zuccariui, Professor Joseph G., Munich, Bavaria, 1846.

OFFICERS—JUNE 30, 1877.

P R E S I D E N T .

W. S. W. RUSCHENBERGER, M.D.

V I C E - P R E S I D E N T S .

WM. S. VAUX, J. L. LE CONTE, M.D.

R E C O R D I N G S E C R E T A R Y .

EDW. J. NOLAN, M.D.

C O R R E S P O N D I N G S E C R E T A R Y .

GEO. H. HORN, M.D.

T R E A S U R E R Y .

WM. C. HENSZEY.

L I B R A R I A N .

EDW. J. NOLAN, M.D.

C U R A T O R S .

JOS. LEIDY, M.D., CHAS. F. PARKER,
WM. S. VAUX, H. C. CHAPMAN, M.D.

C O U N C I L L O R S .

J. S. HAINES,	J. H. REDFIELD,
GEORGE VAUX,	S. FISHER CORLIES,
WM. H. DOUGHERTY,	GEORGE A. KOENIG, Ph.D.,
AUBREY H. SMITH,	GEORGE H. HORN, M.D.,
EDW. S. WHELEN,	JOSEPH WHARTON,
R. S. KENDERDINE, M.D.,	CHARLES P. PEROT.

F I N A N C E C O M M I T T E E .

WM. S. VAUX, AUBREY H. SMITH,
EDW. S. WHELEN.

P R O F E S S O R O F H I S T O L O G Y A N D M I C R O S C O P I C T E C H N O L O G Y .

J. GIBBONS HUNT, M.D.

OFFICERS OF THE SECTIONS

OF THE

ACADEMY OF NATURAL SCIENCES OF PHILADELPHIA,
JUNE 30, 1877.

BIOLOGICAL AND MICROSCOPICAL SECTION.

Director,	ROBERT S. KENDERDINE.
Vice-Director,	JAMES TYSON.
Recorder,	CARL SEILER.
Secretary,	J. H. MCQUILLEN.
Treasurer,	ISAAC NORRIS, JR.
Conservator,	J. GIBBONS HUNT.

CONCHOLOGICAL SECTION.

Director,	W. S. W. RUSCHENBERGER.
Vice-Director,	W. M. GABB.
Recorder,	S. RAYMOND ROBERTS.
Secretary,	Rev. E. R. BEADLE.
Treasurer,	W. M. L. MACTIER.
Librarian,	EDWARD J. NOLAN.
Conservator,	GEO. W. TRYON, JR.

ENTOMOLOGICAL SECTION.

Director,	JOHN L. LE CONTE.
Vice-Director,	GEORGE H. HORN.
Recorder,	J. H. RIDINGS.
Secretary,	C. A. BLAKE.
Treasurer,	E. T. CRESSON.
Conservator,	JAMES RIDINGS.

BOTANICAL SECTION.

Director,	W. S. W. RUSCHENBERGER,
Vice-Director,	THOMAS MEEHAN,
Recorder,	ISAAC BURK,
Secretary,	HENRY LEFFMAN,
Treasurer,	JOSE O. SCHIMMEL,
Conservator,	JOHN H. REDFIELD,

PHYSICS AND CHEMISTRY SECTION.

Director,	G. A. KOENIG,
Vice-Director,	THOS. M. CHATARD,
Recorder,	H. C. LEWIS,
Secretary,	ALEXANDER WILCOCKS,
Treasurer,	W. H. DOUGHERTY,
Conservator,	E. GOLDSMITH,

MINERALOGICAL SECTION.

Director,	THEO. D. RAND,
Vice-Director,	WM. H. DOUGHERTY,
Recorder,	H. C. LEWIS,
Secretary,	H. C. LEWIS,
Treasurer,	WM. S. VAUX,
Conservator,	JOS. WILLCOX,

OFFICERS
OF
THE ACADEMY OF NATURAL SCIENCES
OF PHILADELPHIA.

PRESIDENTS.

	<i>Elected</i>		<i>Served until</i>
Gerard Troost, M.D.,	Jan. 25, 1812,		Dec. 1817.
William Maclure,	Dec. 31, 1817,		Mar. 23, 1840.*
William Hembel,	May 26, 1840,		Dec. 1849.
Samuel George Morton, M.D.,	Dec. 1849,		May 15, 1851.*
George Ord,	" 1851,		Dec. 1858.
Isaac Lea, LL.D.,	" 1858,		" 1863.
Thomas B. Wilson, M.D.,	" 1863,		June 28, 1864.
Robert Bridges, M.D.,	" 1864,		Dec. 1865.
Isaac Hays, M.D.,	" 1865,		" 1869.
W. S. W. Ruschenberger, M.D.,	" 1869.		

VICE-PRESIDENTS.

John Shinn, Jr.,	Jan. 25, 1812,	Dec. 31, 1816.
N. S. Parmentier,	" 1812,	" 26, 1815.
Zacheus Collins,	Dec. 26, 1815,	June 13, 1821.*
George Ord,	" 31, 1816,	Dec. 1834.
Wm. Hembel,	July 26, 1831,	May 28, 1840.
John Price Wetherill,	Dec. 1834,	July, 1853.*
Sam'l Geo. Morton, M.D.,	May 28, 1840,	Dec. 1849.
R. Eglesfield Griffith, M.D.,	Dec. 1849,	June 26, 1850.*
Robert Bridges, M.D.,	Sept. 24, 1850,	Dec. 1864.
Isaac Lea,	Dec. 1853,	" 1858

* Died.

	<i>Elected</i>	<i>Served until</i>
John Le Conte,	Dec. 1858,	Nov. 21, 1860.*
William S. Vaux,	" 1860,	Dec. 1874.
John Cassin,	" 1864,	Jan. 1869.*
W. S. W. Ruschenberger, M.D.,	Jan. 26, 1869,	Dec. 1869.
Joseph Carson, M.D.,	Dec. 1869.	" 1875.
John L. Le Conte, M.D.,	" 1874.	
William S. Vaux,	" 1875.	

CORRESPONDING SECRETARIES.

Robert Hare, M.D.,	Dec. 28, 1813,	Feb. 15, 1814.
Reuben Haines,	Feb. 15, 1814,	Dec. 1831.
Sam'l Geo. Morton, M.D.,	Dec. 1831,	May 28, 1840.
Robert Bridges, M.D.,	May 28, 1840,	Dec. 1841.
Walter R. Johnson,	Dec. 1841,	" 1848.
John Cassin,	" 1848,	" 1852.
John L. Le Conte, M.D.,	" 1852,	" 1859.
Thomas Stewardson, M.D.,	" 1859,	" 1866.
Joseph Jeanes,	" 1866,	Feb. 26, 1867.
Harrison Allen, M.D.,	Feb. 26, 1867,	Jan. 28, 1868.
Edward D. Cope,	Jan. 28, 1868.	Dec. 26, 1876.
Geo. H. Horn, M.D.,	Dec. 26, 1876.	

RECORDING SECRETARIES.

Camillus Macmahon Mann, M.D.,	Jan. 25, 1812,	Dec. 1812.
John Barnes, M.D.,	Dec. 5, 1812,	Aug. 1813.
Benjamin Say,	Aug. 24, 1813,	Mar. 1, 1814.
John Barnes, M.D.,	Mar. 8, 1814,	Dec. 30, 1817.
Edward Barton, M.D.,	Dec. 30, 1817,	" 28, 1819.
Franklin Bache, M.D.,	" 29, 1819,	" 25, 1821.
Wm. H. Keating, M.D.,	" 25, 1821,	Dec. 1825.
S. G. Morton, M.D.,	Dec. 1825,	" 1829.
Thomas McEuen, M.D.,	" 1829,	" 1835.
Thomas D. Mutter, M.D.,	" 1835,	" 1836.
Joseph Carson, M.D.,	" 1836,	June 20, 1837.
Thomas Stewardson, M.D.,	June 1837,	Jan. 7, 1840.
A. D. Chaloner, M.D.,	Feb. 4, 1840,	Dec. 1841.

* Died.

	<i>Elected</i>	<i>Served until</i>
Wm. S. Zantzinger, M.D.,	Dec. 1841,	Dec. 1846.
Theodore F. Moss,	“ 1846,	Sept. 28, 1847.
John Lambert,	Oct. 26, 1847,	Dec. 1848.
William Gambel, M.D.,	Dec. 1848,	“ 1849.
Samuel Powel,	“ 1849,	“ 1851.
B. Howard Rand, M.D.,	“ 1851,	Oct. 31, 1855.
H. C. Wood, Jr., M.D.,	Oct. 31, 1865,	Feb. 26, 1867.
Samuel B. Howell, M.D.,	Feb. 26, 1867,	Dec. 1874.
Edward J. Nolan, M.D.,	Dec. 1874.	

TREASURERS.

John Speakman,	Dec. 28, 1813,	April 26, 1814.
Wm. S. Warder,	Nov. 29, 1814,	Feb. 1815.
Richard Randolph,	Feb. 7, 1815,	Dec. 1815.
Benjamin Say,	Dec. 26, 1815,	July 30, 1816.
Jacob Gilliams,	July 30, 1816,	Dec. 1826.
George W. Carpenter,	Dec. 1826,	June 7, 1860.*
William C. Henszey,	June 26, 1860.	

LIBRARIANS.

John Speakman,	Nov. 29, 1814,	Dec. 26, 1815.
Caleb Richardson,	Dec. 26, 1815,	“ 30, 1817.
Jacob Pierce,	“ 30, 1817,	Dec. 1826.
S. W. Conrad,	Dec. 1826,	“ 1829.
Charles Pickering, M.D.,	“ 1829,	“ 1833.
Paul Beck Goddard, M.D.,	“ 1833,	“ 1834.
Joseph Carson, M.D.,	“ 1834,	“ 1836.
Robert Bridges, M.D.,	“ 1836,	May 1839.
Alfred Langdon Elwyn, M.D.,	May, 1839,	Dec. 1845.
Joseph Leidy, M.D.,	Dec. 1845,	“ 1846.
Wm. S. Zantzinger, M.D.,	“ 1846,	July 29, 1856.
J. Aitken Meigs, M.D.,	Aug. 1856,	May 31, 1859.
James C. Fisher, M.D.,	June 28, 1859,	Aug. 27, 1861.
R. E. Griffith, M.D.,	Dec. 1861,	Jan. 28, 1862.
J. D. Sergeant,	Jan. 28, 1862,	Dec. 1867.
Edward J. Nolan, M.D.,	Dec. 1867.	

* Died.

CURATORS.

	<i>Elected</i>	<i>Served until</i>
Thomas Say,	Mar. 1812,	Dec. 1826.
Isaiah Lukens,	Dec. 28, 1813,	Dec. 26, 1815.
Jacob Gilliams,	" 26, 1815,	" 31, 1816.
George Ord,	" 26, 1815,	" 30, 1817.
Lardner Vanuxem,	" 31, 1816,	" 30, 1817.
Titian R. Peale,	" 30, 1817,	" 28, 1819.
C. A. Le Sueur,	" 30, 1817,	Dec. 1825.
J. Price Wetherill,	" 28, 1819,	" 1825.
Thomas McEuen, M.D.,	" 26, 1820,	" 1821.
Isaac Hays, M.D.,	" 25, 1821,	" 1831.
Richard Harlan, M.D.,	" 28, 1819,	Dec. 25, 1821.
T. R. Peale,	Dec. 1825,	Dec. 1831.
John Vaughan,	" 1825,	" 1827.
J. P. Wetherill,	" 1826,	" 1835.
Isaiah Lukens,	" 1827,	" 1829.
Thomas McEuen, M.D.,	" 1829,	" 1839.
Samu'l G. Morton, M.D.,	" 1831,	" 1832.
Chas. A. Poulson,	" 1831,	" 1834.
Chas. Pickering, M.D.,	" 1833,	" 1837.
Isaiah Lukens,	" 1834,	" 1835.
Paul Beck Goddard, M.D.,	" 1834,	" 1835.
Walter R. Johnson,	" 1835,	" 1837.
T. A. Conrad,	" 1835,	" 1836.
Edward Hallowell, M.D.,	" 1836,	" 1839.
William Blanding, M.D.,	" 1837,	" 1838.
Thomas Nuttall,	" 1837,	" 1838.
Wm. S. Vaux,	" 1838,	
Robert Pearsall,	" 1838,	Dec. 1842.
J. K. Townsend,	" 1839,	" 1840.
G. C. Leib,	" 1839,	" 1841.
John S. Phillips,	" 1840,	" 1843.
Samuel Ashmead,	" 1841,	" 1858.
John Cassin,	" 1842,	Jan. 1869.*
Gavin Watson, M.D.,	" 1843,	Dec. 1845.

* Died.

	<i>Elected</i>		<i>Served until</i>
John K. Townsend, M.D.,	Dec.	1845,	Dec. 1846.
Joseph Leidy, M.D.,	"	1846.	
J. D. Sergeant,	"	1853,	Dec. 1865.
E. D. Cope,	"	1865,	" 1873.
George W. Tyron, Jr.,	Jan. 26, 1869,		July 1876.
Charles F. Parker,	Dec.	1873.	
Henry C. Chapman, M.D.,	Aug. 8, 1876.		

AUDITORS.

John Speakman,	Sept. 6, 1814,	Dec. 31, 1816.
Benjamin Say,	" 6, 1814,	" 26, 1820.
Richard Randolph,	" 6, 1814,	" 26, 1820.
R. E. Griffith, M.D.,	Dec. 31, 1816,	" 26, 1820.
Joseph H. Dulles,	" 26, 1820,	Dec. 1823.
Isaac Lea,	" 26, 1820,	" 1823.
Caleb Carmalt,	" 26, 1820,	Dec. 25, 1821.
R. E. Griffith, M.D.,	" 25, 1821,	Dec. 1824.
W. S. Warder,	Dec. 1823,	" 1824.
J. M. Brewer,	" 1823,	" 1825.
S. G. Morton, M.D.,	" 1824,	" 1826.
J. Dobson,	" 1824,	" 1829.
Geo. W. Carpenter,	" 1825,	" 1826.
S. V. Merrick,	" 1826,	" 1829.
W. M. Walmsley,	" 1826,	" 1827.
C. W. Pennock, M.D.,	" 1827,	" 1829.
C. Hedelius,	" 1829,	" 1832.
Thomas McEuen, M.D.,	" 1829,	" 1831.
P. B. Goddard, M.D.,	" 1829,	" 1832.
William Norris, Jr.,	" 1831,	" 1832.
Walter R. Johnson,	" 1832,	" 1835.
Daniel Steinhauer,	" 1832,	" 1833.
Robert E. Peterson,	" 1832,	" 1835.
Thomas D. Mütter, M.D.,	" 1833,	" 1836.
Robert E. Peterson,	" 1836,	" 1839.
Algernon S. Roberts,	" 1836,	" 1837.
Wm. S. Vaux,	" 1836,	" 1852.
A. D. Chaloner, M.D.,	" 1837,	" 1838.
R. Pearsall,	" 1838,	" 1857.

	<i>Elected</i>	<i>Served until</i>
R. Peters,	Dec. 1839,	Dec. 1840.
A. D. Chaloner, M.D.,	" 1840,	" 1842.
W. S. Zantzinger, M.D.,	" 1842,	" 1843.
Robert Bridges, M.D.,	" 1843,	" 1849.
Samuel Ashmead,	" 1849,	" 1852.
A. L. Elwyn, M.D.,	" 1852,	" 1854.
James C. Fisher, M.D.,	" 1852,	" 1855.
Samuel Ashmead,	" 1854,	" 1858.
William S. Vaux,	" 1855,	" 1869.
Joseph Jeanes,	" 1857,	" 1869.
Aubrey H. Smith,	" 1858,	" 1869.

COMMITTEE ON FINANCE.

Robert Bridges, M.D.,	Dec. 1869.
Wm. S. Vaux,	" 1869.
Aubrey H. Smith,	" 1869.

PUBLICATION COMMITTEE.

March 25, 1817, a committee was appointed to devise a plan and make arrangements to publish a Journal. It consisted of Wm. Maclure, Thomas Cooper, M.D., Robt. M. Patterson, M.D., Thomas Say, Reuben Haines, George Ord, Thomas Nuttall, and Joseph H. Dulles. These eight gentlemen served until December 1818. Then a publication committee, which included three of them, was elected.

On the 20th of May, 1817, the first part of the Journal of the Academy of Natural Sciences of Philadelphia was reported ready to be distributed.

George Ord,	Dec. 1, 1818,	Jan. 30, 1821.
Thomas Say,	" 29, 1818,	Dec. 1825.
R. E. Griffith, M.D.,	" 29, 1818,	May 4, 1819.
Thomas Nuttall,	Jan. 30, 1821,	Dec. 1822.
Joseph H. Dulles,	Dec. 29, 1818,	" 1821.
Isaac Hays, M.D.,	Jan. 30, 1821,	" 1825.
Isaac Lea,	" 30, 1821,	" 1825.
R. E. Griffith, M.D.,	Dec. 25, 1821,	" 1825.
Zacchens Collins,	Mar. 30, 1819,	Jan. 30, 1821.
W. H. Keating,	Dec. 1822,	Dec. 1825.
S. G. Morton, M.D.,	" 1825,	" 1829.
J. P. Wetherill,	" 1825,	" 1829.
William Wetherill, M.D.,	" 1825,	" 1829.

	<i>Elected</i>	<i>Served until</i>
J. P. Smith,	Dec. 1825,	Dec. 1829.
R. Harlan, M.D.,	" 1825,	" 1829.
Thos. McEuen, M.D.,	" 1829,	" 1832.
S. W. Conrad,	" 1829,	" 1831.
C. Pickering, M.D.,	" 1829,	" 1833.
I. Lukens,	" 1829,	" 1831.
Charles A. Poulson,	" 1831,	" 1835.
George Ord,	" 1832,	" 1833.
Alfred Langdon Elwyn, M.D.,	" 1833,	" 1845.
Thomas F. Betton, M.D.,	" 1833,	" 1835.
Wm. P. Gibbons, M.D.,	" 1833,	" 1836.
Thos. McEuen, M.D.,	" 1835,	" 1839.
H. D. Rogers,	" 1835,	" 1836.
Walter R. Johnson,	" 1836,	" 1837.
Joseph Carson, M.D.,	" 1836,	" 1841.
Edward Hallowell, M.D.,	" 1836,	" 1837.
Lewis C. Gunn,	" 1837,	" 1839.
Robert Bridges, M.D.,	" 1837,	" 1838.
T. A. Conrad,	" 1838,	" 1840.
G. C. Leib,	" 1839,	" 1840.
Ed. Hallowell, M.D.,	" 1839,	" 1843.
Wm. S. Vaux,	" 1840,	
John Simmons,	" 1840,	" 1841.
John S. Phillips,	" 1841,	" 1844.
W. S. Zantzinger, M.D.,	" 1841,	" 1843.
T. A. Conrad,	" 1843,	" 1845.
E. Draper,	" 1843,	" 1844.
A. E. Jessup,	" 1844,	" 1846.
John Simmons,	" 1843,	" 1845.
Walter R. Johnson,	" 1845,	" 1848.
Samuel Ashmead,	" 1845,	" 1849.
William Gumbel, M.D.,	" 1845,	" 1849.
Thos. B. Wilson, M.D.,	" 1846,	" 1847.
Robt. E. Griffith, M.D.,	" 1847,	June 26, 1850.*
Sam'l Geo. Morton, M.D.,	" 1848,	May 15, 1851.*

* Died.

	<i>Elected</i>		<i>Served until</i>
Thomas B. Wilson, M.D.,	Dec. 1849,	Dec.	1853.
Robert Bridges, M.D.,	" 1849,	"	1872.
Samuel Powel,	" 1850,	"	1851.
Isaac Lea, LL.D.,	" 1851,	"	1865.
W. S. W. Ruschenberger, M.D.,	" 1851,	Sept.	1854.
H. C. Hanson,	" 1853,	Dec.	1857.
Joseph Leidy, M.D.,	" 1854,		
W. S. W. Ruschenberger, M.D.,	" 1857,	July 26,	1860.
Thomas Stewardson, M.D.	" 1860,	Dec	1865.
George W. Tryon, Jr.,	" 1865,	"	1868.
John Cassin,	" 1865,	Jan.	1869.*
Edward J. Nolan, M.D.,	" 1868,	Dec.	1875.
James Tyson, M.D.,	1869,	"	1870.
George W. Tryon, Jr..	Dec. 1870.		
W. S. W. Ruschenberger, M.D	" 1872,		
George H. Horn, M.D.,	" 1875.		

COUNCILORS.†

Isaac Lea, LL.D.,	Dec.	1869,	Dec.	1874.
Isaac Hays, M.D.,	"	1869,	"	1874.
Robert Bridges, M.D.,	"	1869,	May 16,	1876.
Edward S. Whelen,	"	1869,		
John L. Le Conte, M.D.,	"	1874,	Feb. 23,	1875.
R. S. Kenderdine, M.D.,	"	1874.		
George H. Horn, M.D.,	Feb. 23,	1875.		
J. H. Redfield,	May 16,	1876.		
J. G. Hunt, M.D.,	"	"		
Joseph Wharton,	"	"		
Joseph Jeanes,	"	"		
George A. Koenig, Ph.D.,	"	"		
George Vaux,	"	"		
J. S. Haines,	"	"		
W. H. Dougherty,	"	"		
Harrison Allen, M.D.,	"	"		

* Died.

† From 1869 until May, 1876, the council consisted of the officers of the Academy and four councilors, elected annually for one year. Now there are twelve councilors: four to be elected annually for three years.

